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VOLUME
1

GENERAL
CIVIL
LANDSCAPE
ARCHITECTURAL
STRUCTURAL
MPE
TECHNOLOGY

JOB NO. 2239
DATE: 06/11/2025

Cover Sheet
G001

CSP NO. J159-P0395_1

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GENERAL NOTES

1. MULTIPLE BID PACKAGE
A.) CSP DELIVERY METHOD (COMPETITIVE SEALED PROPOSAL)
THE WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS ARE TO BE BID IN THEIR ENTIRETY THROUGH A GENERAL CONTRACTOR. CONTRACTORS SHALL BID AND PROVIDE CONTRACTOR CONTINGENCIES AND/OR ALLOWANCES TO PROVIDE FOR ANY DRAWING INACCURACIES OR SCOPE GAPS BETWEEN SUBCONTRACTORS AS REQUIRED TO PROVIDE THE OWNER WITH A FINISHED PROJECT THAT MEETS THE INTENT OF THE CONTRACT DOCUMENTS.

2. CONSTRUCTION DOCUMENT COORDINATION:
A.) REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS AS COORDINATION IS REQUIRED BETWEEN VARIOUS PORTIONS OF THE WORK. (EXAMPLE: REFER ARCHITECTURAL DRAWINGS FOR LOCATING MECHANICAL, PLUMBING, & ELECTRICAL.)
B.) ANY WORK NOTED AS BY THE GENERAL CONTRACTOR OR BY OTHERS WILL BE ASSIGNED BY THE CONSTRUCTION MANAGER TO THE WORK OF THE TRADE CONTRACTOR GENERALLY PROVIDING THAT TYPE WORK.

3. ALLOWANCES:
A.) REFER TO SPECIFICATIONS, SECTION 01 2100 FOR RULE DESCRIPTION:
B.) PORTIONS OF THE WORK MAY BE BID AT A LATER TIME AND PAID FOR BY FUNDS ASSIGNED TO CASH ALLOWANCES.

4. ITEMS NOT INCLUDED:
A.) REFER TO FLOOR LEGEND FOR INDICATIONS ON DRAWINGS.
B.) ITEMS TYPICALLY PROVIDED BY OWNER:
I) LOOSE FURNITURE
II) INSTRUCTIONAL AND NON-INSTRUCTIONAL COMPUTER SYSTEMS.
III) DALLAS ISD PROVIDED FF&E SCOPE ITEMS.

5. SITE:
A.) REFER TO CIVIL PLANS FOR SITE GRADING INFORMATION. SLOPE OF SIDEWALKS IS NOT TO EXCEED 5% IN DIRECTION OF TRAVEL AND A 2% CROSS SLOPE. PROVIDE LEVEL SURFACE WITHIN 6'-0" OF EXTERIOR DOORS.
B.) REFER TO ARCHITECTURAL & STRUCTURAL PLANS FOR HORIZONTAL DIMENSIONAL CONTROL OF BUILDINGS.
REFER TO ARCHITECTURAL PLAN A100 FOR SIDEWALKS AND SITE CONCRETE.
REFER TO CIVIL DWG'S FOR PAVEMENT DIMENSION CONTROL.
C.) SIDEWALKS WITHIN PROPERTY BOUNDARIES SHALL BE CONSTRUCTED ACCORDING TO CIVIL PLANS, DETAILS, AND SPECIFICATIONS.
D.) SEAL ALL JOINTS BETWEEN BUILDING AND SIDEWALK ADJACENT TO BUILDING.
E.) CONTRACTORS COORDINATE ACTUAL ADJACENT LANDSCAPE GRASS AND IRRIGATION SYSTEMS TO BE REPAIRED WITH ALL NEW WORK (NEW TO ALIGN WITH AND MATCH EXISTING = TYPICAL)

6. DIMENSIONS:
A.) DO NOT SCALE DRAWINGS UNLESS AUTHORIZED BY ARCHITECT FOR SPECIFIC ITEMS.
B.) DIMENSIONS ARE TYPICALLY SHOWN TO CENTERLINE OF COLUMN, FACE OF METAL STUD (NOT FACE OF DRYWALL), OR FACE OF MASONRY UNLESS SPECIFICALLY NOTED OTHERWISE. PLAN DIMENSIONS AND OTHER DIMENSIONS TO FACE OF BRICK VENEER TYPICALLY REFER TO FACE OF NON-PROJECTED BRICK.
C.) DIMENSIONS OF MASONRY COLUMN SURROUNDS ARE MODULAR. MAINTAIN 3/8" VERTICAL MORTAR JOINTS (REFER TO DETAILS).
D.) DIMENSIONS ARE TO BE CAREFULLY REVIEWED BY CONTRACTORS AND DISCREPANCIES REPORTED TO ARCHITECT FOR CORRECTION BEFORE PROCEEDING WITH THE AFFECTED AREA OF THE WORK.
E.) COORDINATE OPENINGS REQUIRED FOR ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, LOCKERS, ETC. WITH SCHEDULED SIZE.

7. SCHEDULED ITEMS:
A.) FOR ITEMS ON THE SYMBOL LEGEND OR TREATMENT OF THE FOLLOWING TYPICAL ITEMS, REFERENCE THE FOLLOWING INFORMATION:

DOORS/ WINDOWS	REFER TO A300'S
MARKERBOARDS/TACKBOARD	REFER TO A300'S
PARTITION TYPE	REFER TO A300'S
HANDICAP MOUNTING HEIGHTS	REFER TO G202
LINTELS (CMU & STEEL)	REFER TO STRUCTURAL
CASEWORK/ MILLWORK ELEVATIONS	REFER TO A700'S

B.) KEY BOX TO BE RECESSED (5'-0" AFF) INTO BRICK VENEER AT FRONT ENTRIES OF MAIN BUILDING. CONTACT FIRE MARSHAL FOR PURCHASE REQUIREMENTS AND INSTALLATION HEIGHT. REFER TO FLOOR PLANS FOR ADDITIONAL KEY BOX LOCATIONS.

8. MOISTURE PROTECTION:
A.) MASONRY CONTRACTOR IS TO CAREFULLY REVIEW ROOFING DRAWINGS AND ARCHITECTURAL DRAWINGS BEFORE STARTING WORK TO COORDINATE EXACT LOCATIONS OF THRU-WALL FLASHING AND STEPPED FLASHING.
B.) FLEXIBLE FLASHING AT LINTELS ABOVE OPENINGS AND ABOVE STEPPED FLASHING IS TO BE END DAMMED TO STOP LATERAL DRAINAGE AND DIRECT DRAINAGE TO WEEP OPENINGS.
C.) INSTALL FLEXIBLE FLASHING OVER ALL STEEL PENETRATIONS IN SHEATHING.

9. DRYWALL:
A.) PROVIDE CEMENTITIOUS BACKER BAORD AT ALL WET AREAS OR AREAS ADJACENT TO WET AREAS.
B.) ALL GYPSUM BOARD SHALL BE TYPE 'X' EXCEPT AS OTHERWISE REQ'D FOR TESTED ASSEMBLY RATING.
C.) PROVIDE FIRE TREATED WOOD BLOCKING OR WHERE SPECIFICALLY INDICATED STEEL BACKING PLATES AND HORIZONTAL REINFORCING IN THE WALL FOR ANCHORAGE OF TOILET PARTITIONS, GRAB BARS, WALL CABINETS, AND MARKER OR TACK BOARDS.
D.) GYPSUM BOARD AS PART OF A FIRE RATED ASSEMBLY IS TO BE EXTENDED AS NECESSARY TO PROVIDE FIRE RATED PROTECTION. CUT GYPSUM BOARD TO A CLOSE FIT TO IRREGULARITIES SUCH AS BAR JOISTS AND SEAL AS REQUIRED FOR FIRE RATINGS.

10. PENETRATIONS / EXPANSION JOINTS:
A.) MECHANICAL PENETRATIONS THRU FIRE RATED PARTITIONS OR FLOORS ARE TO BE PROVIDED WITH FIRE DAMPERS. (REFER TO MECHANICAL DRAWINGS.)
B.) ROOF PENETRATIONS - LOCATE INDIVIDUAL PENETRATIONS WITH 12 INCH MINIMUM CLEARANCE FROM EACH OTHER AND ALL WALLS AND CURBS.
C.) PENETRATIONS THRU WALLS FLOOR CEILING/ROOF WHICH ARE FIRE RATED (AS NOTED OR SCHEDULED) ARE TO BE SEALED AIR TIGHT WITH FIRE RATED SEALANT PER SPECIFICATION.
D.) EXPANSION JOINTS - REFER TO SCHEDULED PENETRATIONS PROTECTION IN RATED WALLS, FLOORS - DRAWING A520'S AND AS SPECIFIED/DETAILED FOR EXPOSED LOCATIONS.
E.) 3/8" CONTROL JOINT IN GYPSUM BOARD IS TO BE USG #093. PROVIDE GYPSUM BOARD CONTROL JOINTS ABOVE AND BELOW EACH EDGE OF DOORS/WINDOWS AND AT OTHER LOCATIONS AS INDICATED ON ELEVATIONS AND AS SPECIFIED.
F.) 3/8" EXPANSION JOINTS IN BRICK SHALL BE SEALED WITH SEALANT AS SPECIFIED OVER BACKER ROD AND COMPRESSIBLE FILLER.
G.) 1" EXPANSION JOINT IN EXTERIOR BRICK SHALL BE SEALED WITH SEALANT AS SPECIFIED OVER BACKER ROD AND PREFORMED COMPRESSIBLE FILLER.

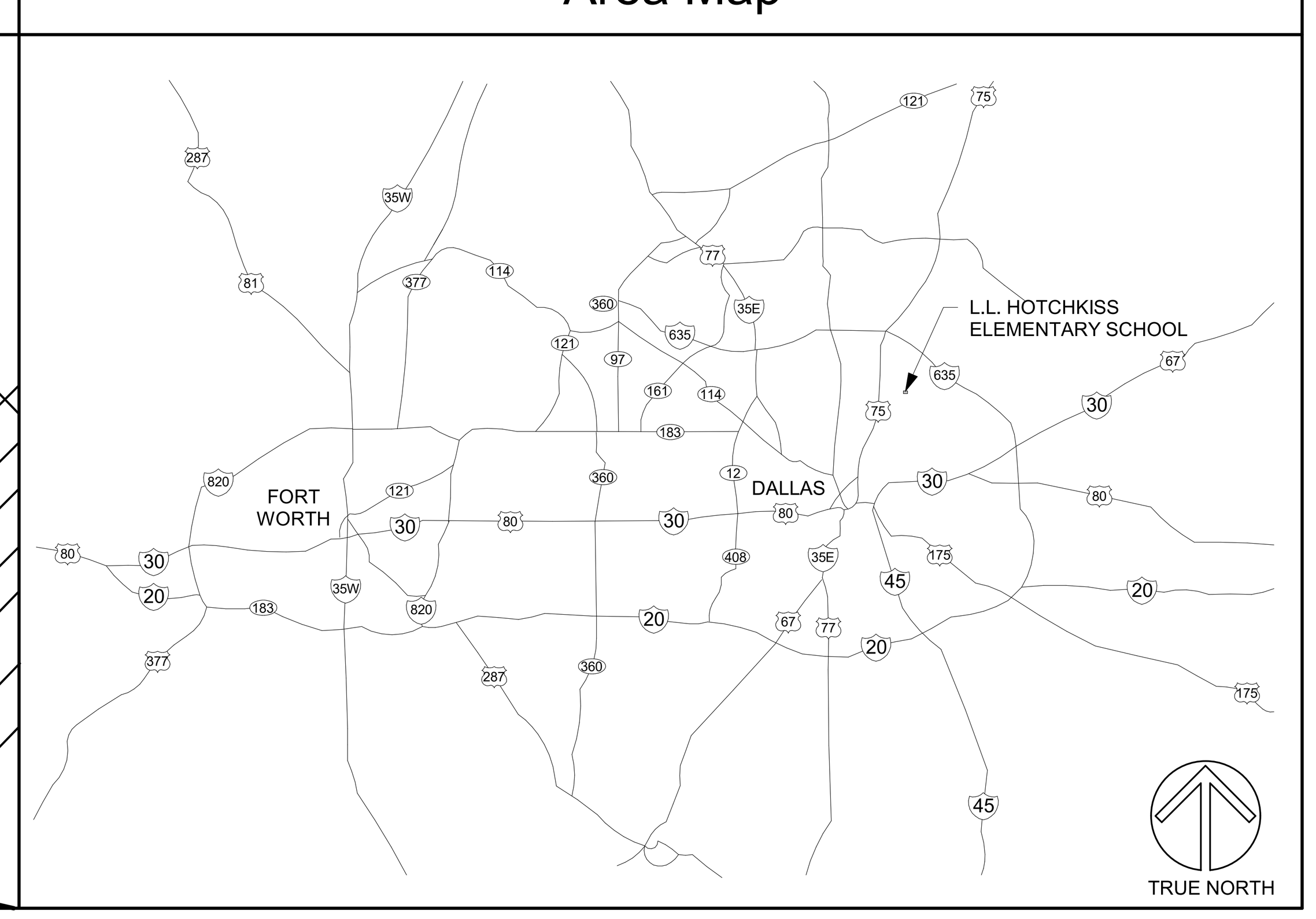
11. DOORS, WINDOWS, AND GLAZING: - REFER TO A301
A.) HARDWARE: ALL DOOR LOCKSETS SHALL COMPLY WITH T.A.S. (ADA) STANDARDS 4.13.9 AND HAVE A MAXIMUM OPERATING FORCE OF 5 LBS. MAXIMUM. DOOR CLOSER OPENING FORCE SHALL NOT EXCEED 5 LBS. FOR INTERIOR DOORS WHEN MEASURED 30" FROM THE HINGE SIDE OF THE DOOR. SET DOORS AT 8 LBS. FOR EXTERIOR DOORS.
B.) ALL GLASS IN A RATED DOOR OR PARTITION SHALL BE RATED TO MATCH OPENING RATING. (REFER TO DOOR AND WINDOW SCHEDULE)
C.) ALL EXTERIOR WINDOW GLASS (INCLUDING ENTRY DOORS) IS TO BE 1" DOUBLE GLAZED INSULATED UNITS (TINTED)
D.) PROVIDE WINDOW COVERINGS AT ALL INTERIOR OF EXTERIOR WINDOWS OF BUILDINGS, WHERE SHOWN ON PLANS.
E.) ANY DAMAGE TO THE EXISTING WALL WHEN REPLACING WINDOWS SHALL BE REBUILT AND RESTORED TO A LIKE NEW CONDITION AT NO COST TO THE OWNER.

12. FINISHES:
A.) CONCRETE MASONRY UNITS
I.) EXPOSED CORNERS OF INTERIOR CMU ARE TO BE BULLNOSED EXCEPT THE FIRST COURSE ABOVE THE FLOOR BE SQUARED WHERE SCHEDULED TO RECEIVE BASE.
B.) STUCCO FINISHES:
I.) EXTERIOR STUCCO FINISH SHALL BE INTEGRALLY COLORED, AS SELECTED BY ARCHITECT. PROVIDE ALL EDGE TRIM, SCREEDS, AND REVEALS AS DETAILED AND AS REQUIRED BY STANDARD INDUSTRY PRACTICES.
C.) METAL FLASHING AND EXPOSED STRUCTURE - REFER TO ELEVATIONS AND SECTIONS FOR LOCATIONS. EXPOSED STEEL STRUCTURE SHALL BE FINISH PAINTED IN FIELD. EXPOSED METAL FLASHINGS NOT INDICATED TO BE PRE-FINISHED SHALL BE FIELD PAINTED.
D.) INTERIOR FINISHES:
I.) REFER TO "FINISH CODE" ON A900'S FOR FINISHES.
II.) EXTEND FLOORING OF ROOM INTO CASEWORK KNEESPACE AND TOE SPACES. FINISH REAR WALL OF KNEESPACE TO MATCH WALL FINISH OF ROOM.
III.) PROVIDE RESILIENT TRANSITION STRIP AT ALL CHANGES OF FLOORING TYPE. TRANSITION BETWEEN ROOMS IS TO OCCUR AT THE CLOSED DOOR LOCATION.
IV.) ALL CONCRETE STRUCTURE TO BE LEFT EXPOSED ON THE INTERIOR OR EXTERIOR IS TO BE HAND RUBBED SMOOTH BEFORE FINISHING.

Vicinity Map



Area Map



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GENERAL

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G201	ACS Sheet 1
G202	ACS Sheet 2
G301	Code Sheet 2021

CIVIL

C1.01	Demolition Plan
C2.01	Dimension Control and Paving Plan
C3.01	Grading Plan
C4.01	Existing Drainage Area Map
C4.02	Proposed Drainage Area Map
C5.01	Erosion Control Plan
C5.02	Erosion Control Details
C6.01	Construction Details

LANDSCAPE

L1.00	Tree Preservation Plan
L1.01	Tree Preservation Details
L2.00	Soil Resource Plan
L3.00	Irrigation Plan
L3.01	Irrigation Details
L4.00	Planting Plan
L4.01	Planting Details

STRUCTURE

S001	General Notes and Statement of Special Inspection
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S202	Floor Plan Level 1 - Enlarged Plans
S210	Existing Floor Plan Roof - Overall
S301	Typical Concrete Details
S302	Concrete Details
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ARCHITECTURAL

AD100	Overall Site Demo Plan
AD201	Floor Plan Level 1 - Overall Demo
AD201.1	Demo Images
AD202	Floor Plan Level 2 - Overall Demo
A100	Overall Site Plan
A101	Overall Phasing Plan
A102	Overall Work Area Plan
A111	Enlarged Site Plan and Site Plan Details
A112	Site Plan Details
A201	Floor Plan Level 1 Overall
A202	Floor Plan Level 2 Overall
A231	Plan Details
A301	Door Schedule, Frame Types & Partition Details
A311	Door/Window Details
A312	Existing Window Details
A401	Exterior Elevations - Area A
A402	Exterior Elevations - Area B
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A404	Exterior Elevations - Area D,E
A701	Casework Sections & Elevation
A800	Overall RCP
A901	Finish Floor Plan and Elevations Level 1
A930	Sign Types and Room Signage Schedule
A931	Exterior Door Numbering Signage

Mechanical

H1.10	Partial HVAC Plans - Classrooms Demolition
H2.10	Partial HVAC Plans - Classrooms
H2.11	Overall Roof & Partial HVAC Plans
H6.00	HVAC Schedules and Details
HPE1.0	MEP Abbreviations & General Notes
HPE2.0	MEP Symbols

Electrical

E1.00	Electrical Site Plan
E1.10	Electrical Demolition Plan
E3.10	First Floor Power and Systems Plan
E3.20	Second Floor Power and Systems Plan
E6.00	Electrical Schedules
E7.00	Electrical Risers

TECHNOLOGY

T001	Legend and Notes - Communications
T002	Responsibility Matrix - Communications
T201	Overall Floor Plan - Level 1 - Communications
T401	General Details - Communications

SECURITY

SC001	Legend and Notes - Security
SC002	Responsibility Matrix -Security
SC201	Overall Floor Plan - Level 1 - Security
SC301	Door Elevation Details - Security

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REVISIONS:
No. Date

JOB NO. 2239
DATE: 06/11/2025

Index

G101

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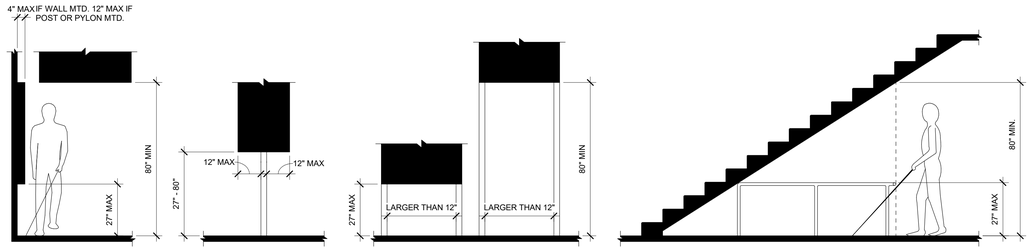
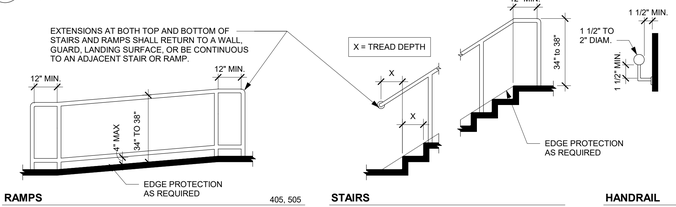


PROTRUDING OBJECT | **POST MOUNTED PROTRUDING OBJECTS** | **VERTICAL CLEARANCE**

NOTE: IF BOTTOM OF PROTRUDING OBJECT IS GREATER THAN 27" AFF THEN OBJECT MAY NOT PROTRUDE MORE THAN 4" MAXIMUM. IF MOUNTED ON POST OR PYLON, OBJECTS MAY PROTRUDE 12" MAXIMUM FROM 27" - 80" ABOVE GROUND OR FINISHED FLOOR. NO PROTRUDING OBJECT SHALL REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" MINIMUM ABOVE THE FINISH FLOOR.

307

1 Protruding Objects
3/8" = 1'-0"



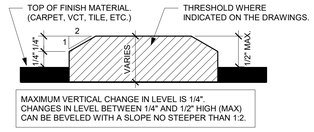
RAMPS 405, 505

RAMP GENERAL NOTES:
1. RUNNING SLOPE CANNOT BE STEEPER THAN 1:12
2. AT EXISTING CONDITIONS:
   STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8 - MAX RISE IS 3"
   STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10 - MAX RISE IS 6"
3. MAX RISE OF ANY RAMP IS 30"
4. EDGE PROTECTION CAN BE CURB/ BARRIER (AS SHOWN ABOVE) OR EXTEND FLOOR /GROUND SURFACE 12" FROM EACH HANDRAIL.
5. EDGE PROTECTION NOT REQUIRED ON RAMP LANDINGS SERVING AN ADJOINING RAMP RUN OR STAIRWAY

STAIRS

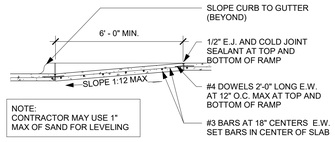
STAIR GENERAL NOTES:
1.EXTENSIONS SHALL NOT BE REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF SWITCHBACK OR DOGLEG STAIRS AND RAMPS. (505.10)
2. TREAD AND RISERS TO BE UNIFORM AND HAVE A RISE BETWEEN 4"-7" AND TREAD OF 11" DEEP MIN.

HANDRAIL

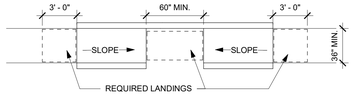


MAXIMUM VERTICAL CHANGE IN LEVEL IS 1/4". CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" HIGH (MAX) CAN BE BEVELED WITH A SLOPE NO STEEPER THAN 1:2.

2 Handrails at Stairs & Ramps
3/8" = 1'-0"

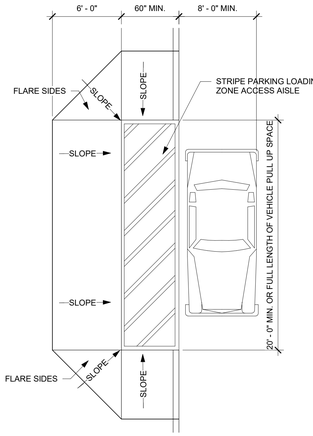


SECTION THROUGH CURB RAMP



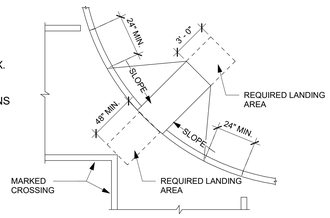
STRAIGHT RAMP 405.7

ALL CURB RAMP SLOPES AND FLARED SIDES SHALL BE 1:12 MAX. FLARED SIDES AT CURB RAMPS MAY BE ALLOWED TO SLOPE 1:10 MAX WHERE EXISTING CONDITIONS PROHIBIT A SLOPE OF 1:12.

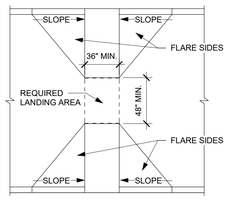


* ONE PASSENGER LOADING ZONE SHALL BE PROVIDED FOR EVERY CONTINUOUS 100 LINEAR FEET OF LOADING SPACE, OR FRACTION THEREOF. (209.2)

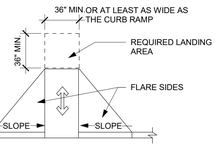
PASSENGER LOADING ZONE 209, 503



DIAGONAL OR CORNER CURB RAMP 406.6



ISLAND CURB RAMP 406.7

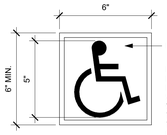


SIDES AND TOP OF STANDARD CURB RAMP 406.4

GENERAL CURB RAMP NOTES:
1. ADJACENT SURFACES TO RAMP MUST BE NO STEEPER THAN 1:20, REQUIRED LANDING AREAS SHALL BE NO STEEPER THAN 1:48.
2. ALL CURB RAMPS OUTSIDE OF PROPERTY (IN RIGHT OF WAY) ARE TO BE DESIGNED BASED ON THE LOCAL JURISDICTION.
3. CURB RAMPS ARE NOT TO BE PROJECTED INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESS AISLES.
4. RAMPS THAT ARE IN MARKED CROSSINGS SHALL BE CONTAINED WITHIN THAT MARKING.

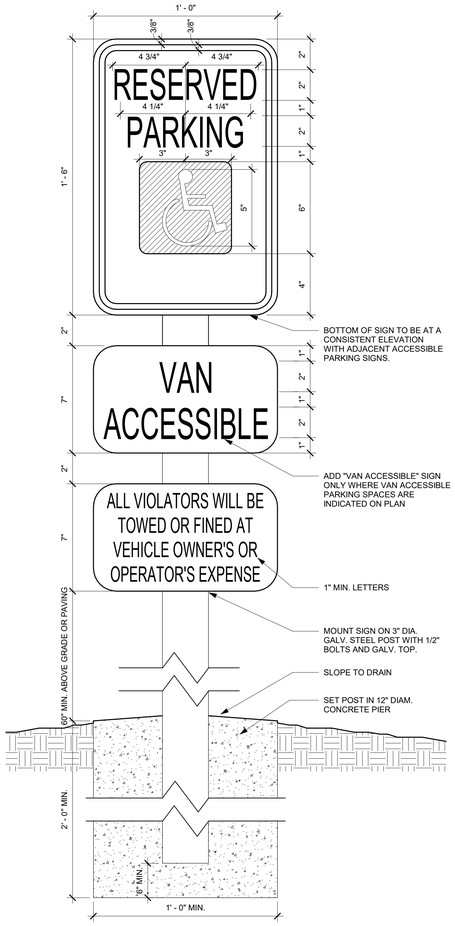
6 Typical Curb Ramp Details
3/16" = 1'-0"

3 Threshold
12" = 1'-0"

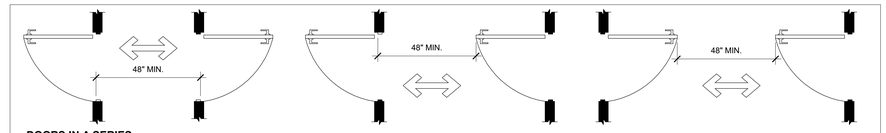


NOTES:
RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT. ADD BRAILLE WHERE REQUIRED.

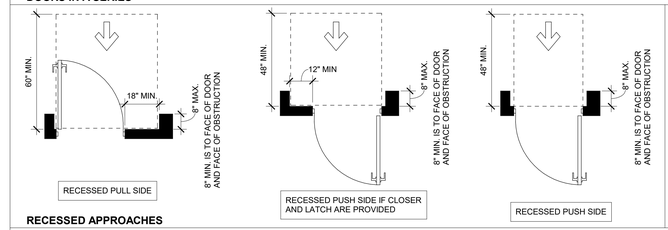
4 INTERNATIONAL SYMBOL OF ACCESSIBILITY
3" = 1'-0"



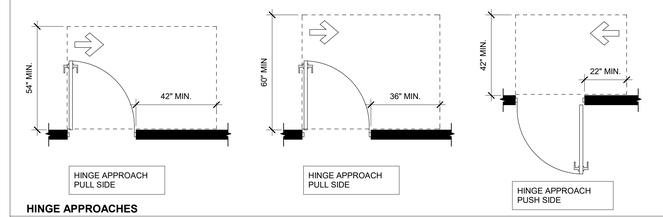
7 Accessible Parking Sign
3" = 1'-0"



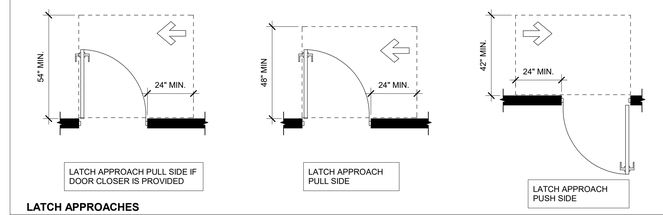
DOORS IN A SERIES



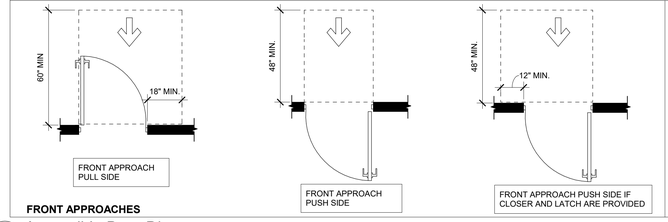
RECESSED APPROACHES



HINGE APPROACHES



LATCH APPROACHES



FRONT APPROACHES

DOOR REQUIREMENTS / ACCESSIBILITY:

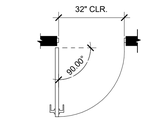
1. DOORS ON AN ACCESSIBLE ROUTE MUST BE 36" WIDE MINIMUM TO PROVIDE 32" MINIMUM CLEARANCE. NOTIFY THE ARCHITECT OF CONFLICTS FOR RESOLUTION PRIOR TO CONSTRUCTION.

2. ALL DOOR LOCK SETS, LATCH SETS, AND PANIC HARDWARE SHALL COMPLY WITH, TAS (ADA) STANDARDS AND HAVE A MAXIMUM OPERATING FORCE OF 5 LBS. AT INTERIOR DOORS AND 8 LBS. AT EXTERIOR DOORS.

3. MANEUVERING CLEARANCES AT ALL DOORS SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, AND A.D.A. STANDARDS.

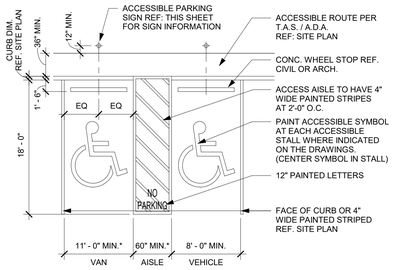
4. - - - - - INDICATES LINE OF MAXIMUM OBSTRUCTION ENCROACHMENT.

404



DOOR CLEARANCES TYP.

5 Accessible Door Diagram
3/8" = 1'-0"



* VAN PARKING SPACE CAN BE 8'-0" WIDE IF ACCESS AISLE IS 8'-0" WIDE

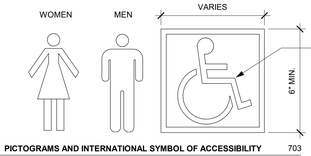
REQUIRED PARKING SPACES

# SPACES PROVIDED IN PARKING FACILITY	MIN. # REQUIRED HC PARKING SPACES
001 TO 025	1
026 TO 050	2
051 TO 075	3
076 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2% OF TOTAL
OVER 1001	20 + 1 FOR EACH 100 OVER 1000

* PROVIDE ONE VAN PARKING SPACE FOR EVERY 6 REQUIRED HC PARKING SPACES.

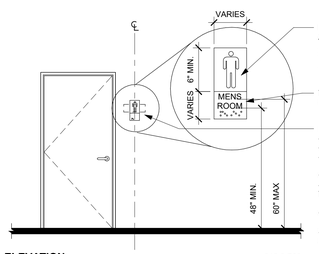
GENERAL PARKING NOTES:
1. REFER TO LOCAL CODES FOR ADJUSTMENTS TO THESE STANDARDS.
2. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY AND CAN BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING. WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
3. IT IS RECOMMENDED TO HAVE THE VAN ACCESS AISLE ON THE PASSENGER SIDE OF THE VAN PARKING SPACE.
4. ACCESSIBLE ROUTE REQUIRED FOR VAN PARKING SPACE SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 98".
5. 2% MAXIMUM SLOPE IN ALL DIRECTIONS OF ACCESS AISLES, ACCESSIBLE PARKING SPACES, AND TOP OF CURB RAMPS.
6. SURFACE OF ACCESS AISLES AND ACCESSIBLE PARKING SPACES TO BE SMOOTH, STABLE, AND SLIP RESISTANT.

8 Typical Accessible Parking Spaces
1/8" = 1'-0"



STANDARD PICTOGRAMS AND ACCESSIBILITY SIGNS SHALL HAVE NON-GLARE FINISH AND SHALL CONTRAST WITH THEIR FIELD.

PICTOGRAMS AND INTERNATIONAL SYMBOL OF ACCESSIBILITY 703



INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN AND/OR PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.

TEXT AND BRAILLE CANNOT BE IN PICTOGRAM FIELD

ROOM NUMBER AND NAME IDENTIFICATION SIGN:
-LETTERS & NUMERALS SHALL BE RAISED 1/32".
-TEXT TO BE UPPERCASE SANS SERIF TYPE
-TEXT TO BE ACCOMPANIED WITH GRADE 2 BRAILLE.

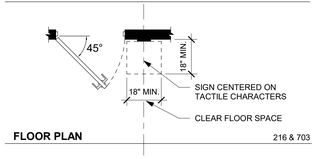
CHARACTER PROPORTIONS:
-UPPERCASE LETTER "O" IS 55% MIN. & 110% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I".

CHARACTER HEIGHT:
-MEASURED VERTICALLY FROM BASELINE, HEIGHT SHALL BE 5/8" MIN. AND 2" MAX. BASED ON UPPERCASE LETTER "I".

LOCATION AT DOORS:
-SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE
-AT DOUBLE DOORS WITH ONE ACTIVE LEAF, SIGN TO BE LOCATED AT INACTIVE LEAF
-AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, SIGN TO BE LOCATED AT THE RIGHT OF THE RIGHT HAND DOOR
-WHERE NO WALL SPACE IS AVAILABLE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGN TO BE LOCATED ON THE NEAREST ADJACENT WALL.

SPECIAL LOCATIONS:
-DOORS AT EXIT PASSAGEWAYS, EXIT DISCHARGE AND EXIT STAIRWAYS SHALL BE IDENTIFIED WITH TEXTILE SIGNS.
-IF ONE ENTRANCE IS NOT ACCESSIBLE THEN ALL ACCESSIBLE ENTRANCES MUST BE MARKED WITH INTERNATIONAL SIGN OF ACCESSIBILITY
-IF EXISTING RESTROOMS ARE NOT ACCESSIBLE, THEN PROVIDE A SIGN WITH INTERNATIONAL SIGN OF ACCESSIBILITY TO INDICATED CLOSEST ACCESSIBLE RESTROOM.

ELEVATION 216 & 703



FLOOR PLAN 216 & 703

GENERAL SIGNAGE NOTES:
1. REFER TO PLANS AND SPECS FOR SIGNAGE SCHEDULE
2. REFER TO THIS SHEET FOR INTERNATIONAL SYMBOL OF ACCESSIBILITY

9 Typical Signage
3/8" = 1'-0"

THIS SHEET REPRESENTS WRA'S INTERPRETATION OF THE 2010 ADA & 2012 TEXAS ACCESSIBILITY STANDARDS AND SHOULD BE USED FOR GUIDANCE ON THE PROJECT. THE CONTRACTOR IS STILL RESPONSIBLE FOR ADHERING TO ALL ADA, TAS AND TDLR REQUIREMENTS

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REGISTERED ARCHITECT JAIME GARCIA 37913 STATE OF TEXAS 06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

ACS Sheet 1

G201

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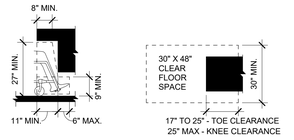
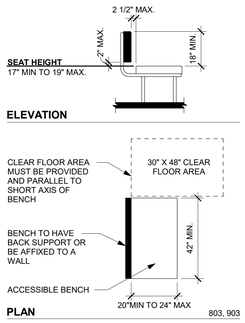
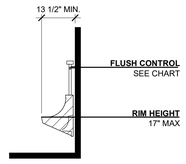
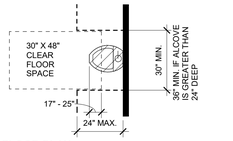


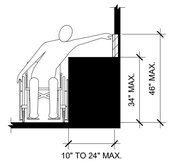
1 Accessible Toe & Knee Clearance
3/8" = 1'-0"

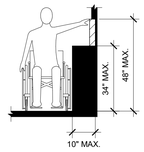


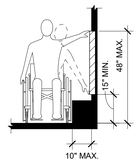
2 Accessible Bench
3/8" = 1'-0"

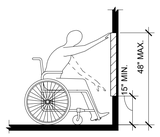


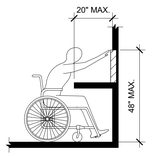


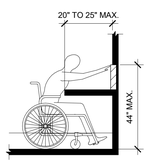






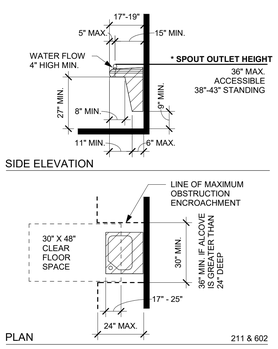






*** FOR CHILDREN'S REACHES SEE CHART THIS SHEET.**

3 Accessible Urinal 1
3/8" = 1'-0"

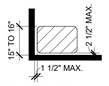


* PROVIDE A MIN. OF ONE ACCESSIBLE & ONE STANDING DRINKING FOUNTAIN PER PROJECT

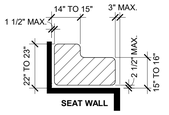
GENERAL DRINKING FOUNTAIN NOTES
1. A PARALLEL APPROACH SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE SPOUT IS 30" MAX A.F.F. AND IS 3 1/2" MAX FROM THE FRONT EDGE OF THE UNIT.
2. WHERE MORE THAN 2 DRINKING FOUNTAINS ARE PROVIDED 50% MUST COMPLY WITH 602.1-602.6 (ACCESSIBLE) AND 50% COMPLY WITH 602.7 (STANDING) HEIGHTS. 211.3

4 Accessible Drinking Fountain
3/8" = 1'-0"

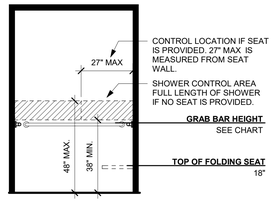
GENERAL SHOWER NOTES:
1. A FIXED SHOWER HEAD LOCATED AT 48" MAX. ABOVE SHOWER FINISH FLOOR SHALL BE PERMITTED INSTEAD OF A HAND-HELD SPRAY UNIT.
2. FLOOR FOR SHOWER SHALL NOT SLOPE IN EXCESS OF 1:48 IN ANY DIRECTION.
3. FOLD DOWN SEATS ARE NOT REQUIRED IN ROLL-IN TYPE SHOWER COMPARTMENTS.
4. "L" SHAPED SEAT IS NOT REQUIRED AT TRANSFER TYPE STALL. (610.3.1 OR 610.3.2)
5. PROVIDE ONE TOWEL HOOK @ 48" ABOVE F.F. ADJACENT TO ACCESSIBLE SHOWER.



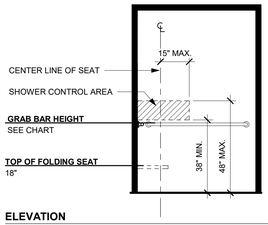
FOLDING SEAT (RECTANGULAR) 610



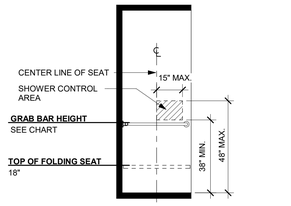
FOLDING SEAT (L SHAPED) 610



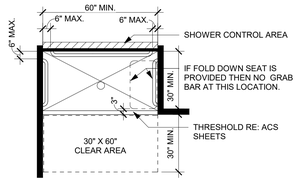
ELEVATION 608.5.2



ELEVATION 608.5.3

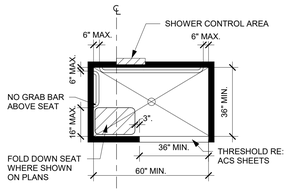


ELEVATION (CONTROL WALL) 608



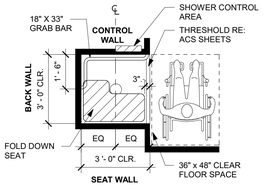
PLAN 608.2.2

STANDARD ROLL-IN TYPE SHOWER COMPARTMENT



PLAN 608.2.3

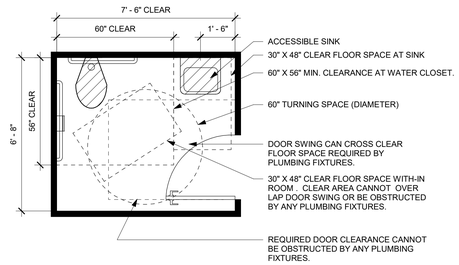
ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT



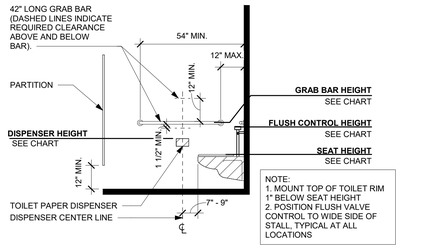
PLAN 608, 609

TRANSFER TYPE SHOWER COMPARTMENT

6 Accessible Shower Types
3/8" = 1'-0"

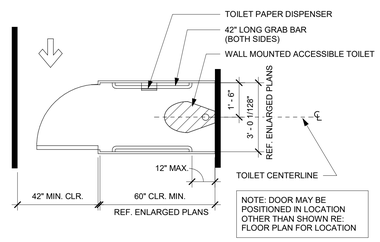


TOILET ROOM (INWARD SWINGING DOOR)

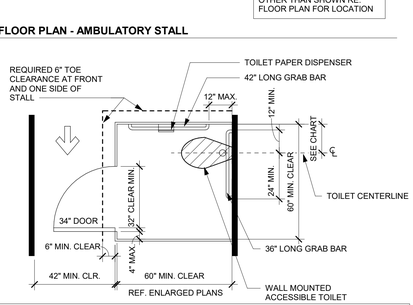


NOTE:
1. MOUNT TOP OF TOILET RIM 1" BELOW SEAT HEIGHT
2. POSITION FLUSH VALVE CONTROL TO WIDE SIDE OF STALL, TYPICAL AT ALL LOCATIONS

SIDE ELEVATION (USE FOR ALL PLANS)

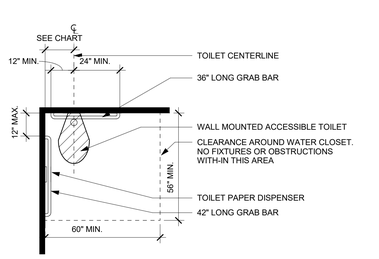


FLOOR PLAN - SINGLE OCCUPANCY (OUTWARD SWINGING DOOR)



NOTE: DOOR MAY BE POSITIONED IN LOCATION OTHER THAN SHOWN RE: FLOOR PLAN FOR LOCATION

FLOOR PLAN - AMBULATORY STALL



FLOOR PLAN - SINGLE OCCUPANCY 213, 304, 404, & 604

NOTE: DOOR MAY BE POSITIONED IN LOCATION OTHER THAN SHOWN RE: FLOOR PLAN FOR LOCATION

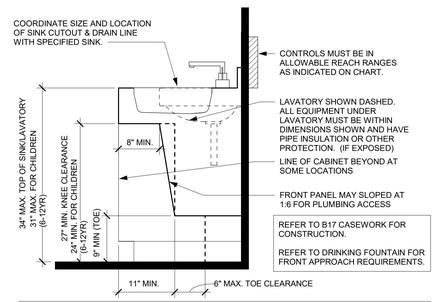
FLOOR PLAN - PARTITION STALL 213 & 604

GENERAL WATER CLOSET NOTES:
1. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP
2. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE EXCEPT IN A TOILET ROOM FOR INDIVIDUAL USE WHERE THE 30"X48" CLEAR FLOOR SPACE IS PROVIDED BEYOND THE ARC OF THE DOOR SWING.
3. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.
4. ALL DOORS MUST COMPLY WITH THEIR CLEAR FLOOR SPACE REQUIREMENTS.
5. IF THE TOTAL NUMBER OF TOILET FIXTURES (INCLUDING URINALS) IN A RESTROOM IS EQUAL TO 6 OR MORE, THEN AN AMBULATORY STALL IS REQUIRED.
6. DIMENSIONS SHOWN FROM WALL ARE ASSUMED TO BE CLEAR DIMENSIONS. CONTRACTOR TO ALLOW FOR FINISH MATERIAL.

7 Accessible Water Closets
3/8" = 1'-0"

8 Accessible Sink and Lavatory
1" = 1'-0"

306.1, 606.2



GENERAL NOTES:
1. A PARALLEL APPROACH CAN BE PROVIDED TO LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN 5 YEARS AND YOUNGER
2. DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES.
3. METERED FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

MOUNTING CHART

DESCRIPTION & LOCATION		ACCESSIBLE DIMENSIONS: CHILDREN (AGES 5 TO 12)	ACCESSIBLE DIMENSIONS: ADULT	STANDARD (NON ADA)
FORWARD AND SIDE REACH RANGES		18" TO 40"	15" TO 48"	--------
WATER CLOSET CENTERLINE TO WALL		15"	17"	PER PLAN
TOILET SEAT HEIGHT		15"	18"	16"
TOILET & SHOWER STALL GRAB BAR HEIGHTS		25"	34"	--------
TOP OF TOILET PAPER DISPENSER HEIGHT		2" BELOW GRAB BAR IF MTD BELOW. 12" TO BOTTOM IF MTD ABOVE	2" BELOW GRAB BAR IF MTD BELOW. 12" TO BOTTOM IF MTD ABOVE	18"
FLUSH CONTROL HEIGHT FOR WATER CLOSET POSITION FLUSH VALVE TO WIDE SIDE OF STALL OR ROOM		2" MIN. BELOW GRAB BAR	2" MIN. BELOW GRAB BAR	48"
DRINKING FOUNTAIN & WATER COOLER SPOUT HEIGHT		36" MAX ACCESSIBLE AND 42" STANDING	36" MAX ACCESSIBLE AND 42" STANDING	42"
FLUSH CONTROL HEIGHT FOR URINAL POSITION FLUSH VALVE TO WIDE SIDE OF STALL OR ROOM		38"	44"	46"
FEMININE NAPKIN DISPENSER CONTROL LOCATION		42"	46"	46"
MIRRORS MOUNTED ABOVE COUNTER TOPS OR SINKS HEIGHTS ARE TO REFLECTING SURFACE		76" AFF TO TOP EDGE 40" MAX BOTTOM EDGE	76" AFF TO TOP EDGE 40" MAX BOTTOM EDGE	76" AFF TO TOP EDGE 40" BOTTOM EDGE
FREE STANDING MIRRORS HEIGHTS ARE TO REFLECTING SURFACE		76" AFF TO TOP EDGE 35" MAX TO BOTTOM EDGE	76" AFF TO TOP EDGE 35" MAX TO BOTTOM EDGE	76" AFF TO TOP EDGE 35" BOTTOM EDGE
LAVATORY AND SINK RIM HEIGHT		31" MAX	34" MAX	36"
PAPER TOWEL DISPENSER CONTROL HEIGHT		38"	46"	48"
SOAP DISPENSER CONTROL HEIGHT		38"	46"	48"
SOAP DISH		38"	46"	48"
FEMININE NAPKIN DISPOSAL MTD. ON "BACK" HEIGHT TO TOP OF DISPOSAL UNIT		2" MIN. BELOW GRAB BAR	2" MIN. BELOW GRAB BAR	32"
TOWEL BAR		25"	34"	48"
LIGHT SWITCHES, THERMOSTATS, WALL MOUNTED COMMUNICATION AND FIRE ALARM PULL DEVICES. HEIGHT TO CENTER OF CONTROL.		38"	46"	48"
ELECTRICAL OUTLETS, TELEPHONE OUTLETS, & DATA RECEPTACLES. HEIGHT TO CENTER OF OUTLET OR RECEPTACLE.		18"	18"	18"
TOP OF STAIR AND RAMP HANDRAILS HEIGHT IS ABOVE STAIR NOSING OR RAMP SURFACE		-------	36"	36"
CENTER OF DEDICATION PLAQUE		-------	-------	60"
FIRE EXTINGUISHER CABINET. HEIGHT TO DOOR HANDLE		-------	42"	42"
DOOR HARDWARE CENTER LINE (43" MAX, 10" MIN.)	DOOR LEVER	39"	41"	41"
	DOOR PULL	39"	41"	41"
	PANIC BAR	39"	41"	41"
		THE CENTER LINE OF DOOR HARDWARE MAY VARY BETWEEN WOOD DOOR WITH SIDE LIGHT AND ALUMINUM STORE FRONT DOORS. COORDINATE WITH PLANS AND HARDWARE MANUFACTURER		
TOP OF TRAY SLIDES		28" MIN.	34" MAX	36"
TRAY RETURN COUNTER		30"	34" MAX	36"
HEIGHT OF WORK SURFACES		-------	34" MAX	30"
HEIGHT OF TABLES AND COUNTERS		-------	30" MAX	30"

1. ON PLUMBING FIXTURES THERE IS A RANGE OF +/- 1".
2. CHILDREN AGES 5 THRU 12 REPRESENTS PRIMARY USER GROUP AS ELEMENTARY STUDENTS. MIDDLE SCHOOL IS CONSIDERED ADULT.

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REGISTERED ARCHITECT — KENT GARCIA — 27913 — STATE OF TEXAS — 06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

ACS Sheet 2

G202

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THIS SHEET REPRESENTS WRA'S INTERPRETATION OF THE 2010 ADA & 2012 TEXAS ACCESSIBILITY STANDARDS AND SHOULD BE USED FOR GUIDANCE ON THE PROJECT. THE CONTRACTOR IS STILL RESPONSIBLE FOR ADHERING TO ALL ADA, TAS AND TDLR REQUIREMENTS

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CODE ANALYSIS:

APPLICABLE CODES AND STANDARDS

2021 International Building Code/Amendments
2020 National Electric Code/Amendments
2021 International Energy Conservation Code
2021 International Mechanical Code/Amendments
2021 International Plumbing Code/Amendments
2021 International Fire Code/Amendments
2010 Americans with Disabilities Act
2012 Texas Accessibility Standards

BUILDING INFORMATION

The project consists of an existing 1 story, partial 2 story elementary school building in Dallas, Texas, consisting of an overall building of approximately 79,000 square feet.

School Building Construction
Describe Structure at Grade
Describe Structure Above Grade
Describe Roofing System
Refer to drawings and project manual

CONSTRUCTION TYPE
-Remodel
-Type II-B Building Elements not required to be rated
-Group E Educational Occupancy

ZONING

CURRENT LAND IS ZONED: Planned Development (PD) - 643

2021 International Building Code

CHAPTER 3
OCCUPANCY CLASSIFICATION AND USE

SECTION 302 OCCUPANCY CLASSIFICATION AND USE DESIGNATION
302.1 Occupancy classification
Occupancy classification is the formal designation of the primary purpose of the building, structure or portion thereof. Structures shall be classified into one or more of the occupancy groups specified in this section based on the nature of the hazards and risks to building occupants generally associated with the intended purpose of the building or structure. An area, room or space that is intended to be occupied at different times for different proposed with all applicable requirements associated with such potential multipurpose. Structures containing multiple occupancy groups shall comply with Section 508. Where a structure is proposed for a purpose that is not specified in this section, such structure shall be classified in the occupancy it most nearly resembles based on the fire safety and relative hazard. Occupied roofs shall be classified in the group most nearly resembles, according to the fire safety and relative hazard, and shall comply with Section 503.1.4.

3. Educational (see Section 305): Group E.

SECTION 305 EDUCATIONAL GROUP E
305.1 Educational Group E.
Educational Group E Occupancy includes, among others, the use of a building or structure, or a portion thereof, by six or more persons at any one time for educational purposes through the 12th grade.

CHAPTER 5
GENERAL BUILDING HEIGHTS AND AREAS

TYPE II-B HEIGHT: 3 STORY / 75 FT. (Maximum)
TYPE II-B AREA: 58,000 SF (Maximum)

SECTION 504 BUILDING HEIGHT AND NUMBER OF STORIES
504.1 General
The height, in feet, and the number of *stories* of a building shall be determined based on the type of construction, occupancy classification and whether there is an *automatic sprinkler system* installed throughout the building.

SECTION 506 BUILDING AREA
506.1 General
The floor area of a building shall be determined based on the type of construction, occupancy classification , whether there is an *automatic sprinkler system* installed throughout the building and the amount of building frontage on public way or open space.

EXISTING FOOTPRINT REMAINS THE SAME.

SECTION 509 INCIDENTAL USES
509.1 General
Incidental uses located within single occupancy or mixed occupany buildings shall comply with the provisions of this section . Incidental uses are ancillary functions associated with a given occupancy that generally pose a greater level of risk to that occupancy and are limited to those uses specified in Table 509.1

TABLE 509 INCIDENTAL USES

ROOM OR AREA	SEPARATION AND/OR PROTECTION
Furnace room where any piece of equiopment is over 400,000 Btu per hour input	1 hour or provide automatic sprinkler system
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower	1 hour or provide automatic sprinkler system
Refrigerant machinery room	1 hour or provide automatic sprinkler system
Paint shops, not classified as Group H, located in occupancies other than Group F	2 hours; or 1 hour and provide automatic sprinkler system
In Group E occupancies, laboratories and vocational shops not classified as Group H	1 hour or provide automatic sprinkler system
Laundry rooms over 100 square feet	1 hour or provide automatic sprinkler system
In other than ambulatory care facilities and Group I-2 occupancies, waste and linen collection rooms over 100 square feet	1 hour or provide automatic sprinkler system

CHAPTER 6
TYPES OF CONSTRUCTION

SECTION 602 CONSTRUCTION CLASSIFICATION
602.1 General
Buildings and structures erected or to be erected, altered or extended in height or area shall be classified in one of the five *construction types* defined in Sections 602.2 through 602.5. The *building elements* shall have a *fire-resistance rating* not less than that specified in Table 601 and *exterior walls* shall have a *fire-resistance rating* not less than that specified in Table 705.5. Where required to have a *fire-resistance rating* by Table 601, *building elements* shall comply with the applicable provisions of Section 703.2. The protection of openings, ducts and air transfer openings in *building elements* shall not be required unless required by other provisions of this code.

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS(HOURS)

BUILDING ELEMENT	TYPE II-A	TYPE II-B
Primary Structural Frame Incl. Columns, Girders, Trusses	1[b,c]	0[c]
Bearing Walls Exterior Interior	1 1	0 0
Nonbearing Walls and Partitions Exterior Interior	See Table 705.5 0	See Table 705.5 0
Floor Construction Including Supporting Beams and Joists	1	0
Roof Construction and Secondary Members	1[b,c]	0[c]

a. Roof supports: Fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
b. Except in Group F-1, H, M and S-1 occupancies, fire protection of structural members in roof construction shall not be required, including protection of primary structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
c. In all occupancies, heavy timber complying with Section 2304.11 shall be allowed for roof construction, including primary structural frame members, where a 1-hour or less fire-resistance rating is required.

TABLE 705.5
FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE[a,f,g]

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTUCTION	GROUP E
X < 5[b]	II-A, II-B	1
5 ≤ X < 10	II-A, II-B	1
10 ≤ X < 30	II-A II-B	1[c] 0
X ≥ 30	II-A, II-B	0

a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
c. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
d. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
g. Where table 705.8 permits nonbearing exterior walls with unlimited area of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.

CHAPTER 7
FIRE AND SMOKE PROTECTION

SECTION 706 FIRE WALLS
706.5 Horizontal Continuity
Fire walls shall be continuous from *exterior wall* to *exterior wall* and shall extend not less than 18 inches (457 mm) beyond the exterior surface of *exterior walls*.

Exceptions:

1. *Fire walls* shall be permitted to terminate at the interior surface of combustible exterior sheathing or siding provided that the *exterior wall* has a *fire-resistance rating* of not less than 1 hour for a horizontal distance of not less than 4 feet (1220 mm) on both sides of the *fire wall*. Openings within such *exterior walls* shall be protected by opening protectives having a *fire protection rating* of not less than ¾ hour.
2. *Fire walls* shall be permitted to terminate at the interior surface of noncombustible exterior sheathing, exterior siding or any other noncombustible exterior finishes provided that the sheathing, siding or other exterior noncombustible finish extends a horizontal distance of not less than 4 feet (1220 mm) on both sides of *fire wall*.
3. *Fire walls* shall be permitted to terminate at the interior surface of noncombustible exterior sheathing where the building on each side of the *fire wall* is protected by an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2.

706.5.2 Horizontal Projecting Elements
Fire walls shall extend to the outer edge of horizontal projecting elements such as balconies, roof overhangs, canopies, marquees and similar projections that are within 4 feet (1220 mm) of the *fire wall*.

Exceptions:

1. Horizontal projecting elements without concealed spaces, provided that the *exterior wall* behind and below the projecting element has not less than 1-hour fire-resistance-rated construction for a distance not less than the depth of the projecting element on both sides of the *fire wall*. Openings within such *exterior walls* shall be protected by opening protectives having a *fire protection rating* of not less than 3/4 hour.

2. Noncombustible horizontal projecting elements with concealed spaces, provided a minimum 1-hour fire-resistance-rated wall extends through the concealed space. The projecting element shall be separated from the building by not less than 1-hour fire-resistance-rated construction for a distance on each side of the *fire wall* equal to the depth of the projecting element. The wall is not required to extend under the projecting element where the building *exterior wall* is not less than 1-hour fire-resistance rated for a distance on each side of the *fire wall* equal to the depth of the projecting element. Openings within such *exterior walls* shall be protected by opening protectives having a *fire protection* rating of not less than 3/4 hour.

3. For combustible horizontal projecting elements with concealed spaces, the *fire wall* need only extend through the concealed space to the outer edges of the projecting elements. The *exterior wall* behind and below the projecting element shall be of not less than 1-hour fire-resistance-rated construction for a distance not less than the depth of the projecting elements on both sides of the *fire wall*. Openings within such *exterior walls* shall be protected by opening protectives having a *fire protection rating* of not less than 3/4 hour.

CHAPTER 8
INTERIOR FINISHES

SECTION 803 WALL AND CEILING FINISHES
803.1.2 Interior wall and ceiling finish materials tested in accordance with ASTM E84 or UL723
Interior wall and *ceiling finish* materials shall be classified in accordance with ASTM E84 or UL 723. Such *interior finish* materials shall be grouped in the following classes in accordance with their *flame spread* and *smoke-developed indices*.
Class A = Flame spread index 0-25;
Smoke-developed index 0-450
Class B = Flame spread index 26-75;
Smoke-developed index 0-450
Class C = Flame spread index 76-200;
Smoke-developed index 0-450

Exception: Materials tested in accordance with Section 803.1.1 and as indicated in Sections 803.1.3 through 803.13.

CHAPTER 10
MEANS OF EGRESS

1005 MEANS OF EGRESS SIZING
1005.3 Required Capacity based on occupant load.
The required capacity, in inches (mm), of the *means of egress* for any room, area, space or *story* shall be not less than that determined in accordance with Sections 1005.3.1 and 1005.3.2

1005.3.1 Stairways
The capacity, in inches, of means of egress *stairways* shall be calculated by multiplying the *occupant load* served by such *stairways* by a *means of egress* capacity factor of 0.3 inch (7.6 mm) per occupant. Where *stairways* serve more than one *story*, only the *occupant load* of each *story* considered individually shall be used in calculating the required capacity of the *stairways* serving that *story*.

Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress *stairways* shall be calculated by multiplying the *occupant load* served by *such stairways* by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

1005.3.2 Other egress components.
The capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant.

Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a means of egress capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE
1017.2 Limitations
Exit access travel distance shall not exceed the values given in Table 1017.2

TABLE 1017.2
EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	Without Sprinkler System (feet)	With Sprinkler System (feet)
E	200	250[b]

a. See the following section for modifications to exit access travel distance requirements:
Section 1006.3.4 For buildings with one exit
Section 1030.7: For increased limitation in assembly seating.
Section 3103.4 For temporary structures.
Section 3104.9: For pedestrian walkways
b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems are permitted in accordance with Section 903.3.1.2.

1017.3 Measurement
Exit access travel distance shall be measured from the most remote point of each room, area or space along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an *exit*. Where more than one exit is required, *exit access* travel distance shall be measured to the nearest exit.

1017.3.1 Exit access stairways and ramps.
Travel distance on *exit access stairways* or *ramps* shall be included in the *exit access* travel distance measurement. The measurement along stairways shall be made on a plane parallel and tangent to the stair tread nosings in the center of the *stair* and landings. The measurement along *ramps* shall be made on the walking surface in the center of the *ramp* and landings.

SECTION 1020 CORRIDORS
1020.2 Construction
Corridors shall be fire-resistance rated in accordance with Table 1020.2. The *corridor* walls required to be fire-resistance rated shall comply with Section 708 for *fire partitions*.

Exceptions:
1. A fire-resistance rating is not required for corridors in an occupancy in Group E where each room that is used for instruction has not less than one door opening directly to the exterior and rooms for assembly purposes have not less than one-half of the required means of egress doors opening directly to the exterior. Exterior doors specified in this exception are required to be at ground level.

2. Corridors adjacent to the exterior walls of buildings shall be permitted to have unprotected openings on unrated exterior walls where unrated walls are permitted by Table 705.5 and unprotected openings are permitted by Table 705.8.

TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (hours)	
		Without Sprinkler System	With Sprinkler System
E	Greater than 30	1	0

PLUMBING FIXTURE CALCULATION

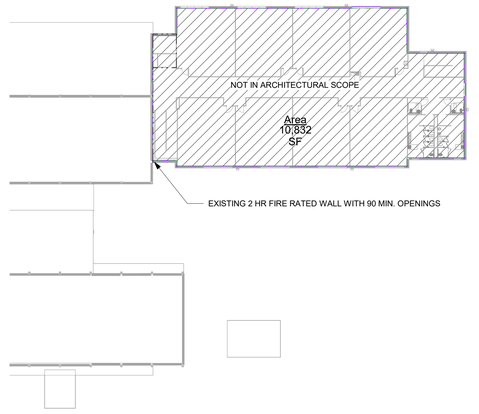
Total Occupants:	569	Students:	502 (Per TEA Requirements)
Female Students:	251		
Waterclosets Required:	6	Lavatories Required:	6
Waterclosets Provided:	27	Lavatories Provided:	18
Male Students:	251		
Waterclosets/Urinals Required:	6	Lavatories Required:	6
Waterclosets/Urinals Provided:	35	Lavatories Provided:	19
Staff:	67		
Waterclosets Required:	2	Lavatories Required:	2
Waterclosets Provided:	13	Lavatories Provided:	13
Total Occupants:	569		
Drinking Fountains Required:	6	Service Sinks Required:	1
Drinking Fountains Provided:	7	Service Sinks Provided:	5

Code Symbols Legend

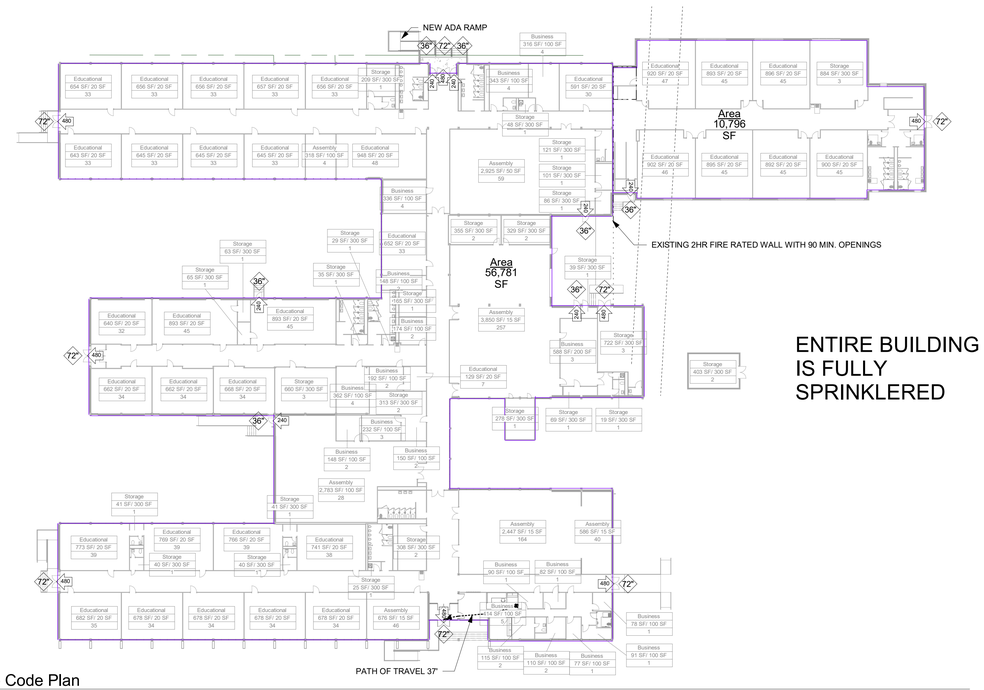
Occupancy Area/ OLF Occ Load	Egress Occupant Capacity		Travel Distance
###	Occupant Load Designation	##	Egress Width
	1-Hour Fire Resistance Rating		2-Hour Fire Resistance Rating

Wall Partition Rating Legend

UNRATED PARTITION ASSEMBLY
1 HOUR RATED PARTITION ASSEMBLY
2 HOUR RATED PARTITION ASSEMBLY



2 Level 2 - Code Plan
1" = 30'-0"



1 Level 1 - Code Plan
1" = 30'-0"

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REGISTERED ARCHITECT JEANNE GARCIA 47913 STATE OF TEXAS 06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:
No. Date

JOB NO. 2239
DATE: 06/11/2025

Code Sheet 2021

G301

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GENERAL NOTES

1. EXISTING TOPOGRAPHICAL AND UTILITY INFORMATION PROVIDED BY THE OWNERS. CLICK ENGINEERING MAKES NO WARRANTY TO THE ACCURACY OF THIS INFORMATION.
2. ANY REMOVED BENCHMARKS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT PROVIDED BY BRAUN INTERTEC CORP., DATED 03-04-2024 FOR ALL SOIL COMPACTION, PAVING, SUB-GRADE PREPARATION AND FILL MATERIAL REQUIREMENTS.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION, AND NOTIFY CLICK ENGINEERING OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT TEXAS811 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION, FOR UTILITY NOTIFICATION AND LOCATE SERVICES. TEXAS 811 CAN BE CONTACTED BY DIALING 811 WITHIN THE STATE OF TEXAS, OR ONLINE AT WWW.TEXAS811.ORG.
6. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE CITY CONSTRUCTION PERMITS AND APPROVALS, AND COORDINATE REQUIRED INSPECTIONS WITH THE CITY.
7. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO THESE PLANS AND CITY STANDARDS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IF DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY ENGINEER TO OBTAIN CLARIFICATION PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS TO REMAIN AND SHALL BE SOLELY RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT FOR DAMAGE OF EXISTING IMPROVEMENTS DURING CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR SHALL ADJUST ALL MANHOLE RIMS, VALVE BOXES, AND OTHER APPURTENANCES TO MATCH PROPOSED GRADE.
11. THE CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITY COMPANIES FOR ALL UTILITY RELOCATIONS/ADJUSTMENTS.
12. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS, CONTAMINATED AND UNUSABLE MATERIALS AT THEIR COST. THE CONTRACTOR SHALL DISPOSE OF THESE MATERIALS IN ACCORDANCE WITH ALL CITY, STATE AND FEDERAL REGULATIONS.
13. THE CONTRACTOR SHALL NOT ALLOW WATER IN TRENCHES DURING CONSTRUCTION AND SHALL NOT LEAVE TRENCHES OPEN FOR MORE THAN 24 HOURS. IF TRENCHES ARE LEFT OPEN OVER NIGHT THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PUBLIC SAFETY.
14. PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT THE ELEVATION AT FINISHED SURFACE. THE CONTRACTOR SHALL REFER TO SPOT ELEVATIONS FOR ACTUAL ELEVATIONS, AS CONTOURS ARE BASED ON THE INTERPOLATION OF THE SPOT ELEVATIONS AND ARE INTENDED FOR VISUAL CLARIFICATION.
15. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS-SLOPE OF 1:50 (2.0%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5.0%). IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
16. ALL EXISTING AND PROPOSED SIDEWALKS AND BARRIER FREE RAMPS SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS WITH DISABILITIES ACT (ADA).
17. ALL PEDESTRIAN RAMPS SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 1:12 (8.33%). IF RAMPS HAVE MORE THE 6" OF VERTICAL RISE, A HAND RAIL SHALL BE INSTALLED IN ACCORDANCE WITH ADA AND TAS REQUIREMENTS. IN NO CASE SHALL A RAMP HAVE A VERTICAL RISE OF MORE THAN 30" WITHOUT A FLAT LANDING AREA. IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
18. ALL LANDSCAPING AREAS SHALL HAVE A MAXIMUM SLOPE OF 4:1, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION, IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TRENCH SAFETY PLAN SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF TEXAS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEYING RELATED TO CONSTRUCTION ACTIVITIES, AND SHALL STAKE LOCATIONS AND ELEVATIONS OF ALL PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS, PRIOR TO COMMENCEMENT OF WORK.
21. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST ON THE CONSTRUCTION SITE. THE CONTRACTOR SHALL CONTROL DUST BY MEANS OF SPRINKLING WATER, OR OTHER MEANS AS APPROVED BY THE CITY AND THE ENGINEER.
22. THE CONTRACTOR SHALL MAINTAIN ADEQUATE POSITIVE DRAINAGE DURING ALL PHASES OF CONSTRUCTION; CONTROL EROSION AND SILTATION; AND SHALL PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL REGULATIONS FOR EROSION CONTROL AND PROTECTION.
23. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES".
24. THE CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT LAYOUT PLAN TO THE ENGINEER, FOR APPROVAL, PRIOR TO PAVING CONSTRUCTION ACTIVITIES. ALL PAVING JOINTS SHALL EXTEND THROUGH THE CURB.
25. THE CONTRACTOR SHALL PLACE ALL CONDUIT SLEEVES, INCLUDING ELECTRICAL AND IRRIGATION, UNDER PAVING PRIOR TO PAVING CONSTRUCTION ACTIVITIES.
26. ALL MATERIALS TESTING RESULTS MUST CONFORM TO THE SPECIFICATIONS/RECOMMENDATIONS DESCRIBED IN THE PLANS, CITY STANDARDS AND/OR GEOTECHNICAL REPORT. IF THE MATERIALS TESTING RESULTS DO NOT CONFORM TO THE SPECIFICATIONS/ RECOMMENDATIONS, THE MATERIALS MUST BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
27. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLANS ON-SITE AND SHOW ANY UPDATES/REVISIONS TO THOSE PLANS. A COPY OF THESE PLANS SHALL BE CERTIFIED BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER FOR THE PREPARATION OF FINAL AS-BUILTS.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS EMPLOYEES, AGENTS, REPRESENTATIVES, SUB-CONTRACTORS AND PUBLIC SAFETY DURING ALL PHASES OF CONSTRUCTION.
29. ANY DISCREPANCIES BETWEEN THESE GENERAL NOTES, CITY SPECIFICATIONS OR STANDARD DETAILS SHALL BE WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY INSPECTOR.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS 48 HRS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES OR SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING OR EXCAVATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF THE PROJECT AND GRASS RESTORATION.
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH APPROVED EROSION CONTROL PLAN AND CITY STANDARDS. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER.
3. THE SEEDING FOR EROSION CONTROL SHALL BE APPLIED OVER AREAS DISTURBED BY CONSTRUCTION AS FOLLOWS:

3.1. FROM SEPTEMBER 15 TO MARCH 1 – SEEDING TO BE WITH COMBINATION OF 2 POUNDS PER 1,000 SQUARE FEET OF UN-HULLED BERMUDA GRASS AND 2 POUNDS PER 1,000 SQUARE FEET OF WINTER RYE GRASS, WITH A PURITY OF 95% WITH 90% GERMINATION.

3.2. FROM MARCH 2 TO SEPTEMBER 14 – SEEDING TO BE WITH HULLED BERMUDA GRASS (CYNODEN DACTOLYN) AT A RATE OF 2 POUNDS PER 1,000 SQUARE FEET WITH A PURITY OF 95% WITH 85% GERMINATION.

4. THE PLANTED AREAS SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF FOUR (4) INCHES. THE IRRIGATION SHALL OCCUR AT A MINIMUM OF 10-DAY INTERVALS DURING THE FIRST TWO MONTHS TO PROMOTE GROWTH. RAINFALL OCCURRENCES OF 1/2 INCH OR GREATER MAY ALLOW THE CONTRACTOR TO POSTPONE THE WATERING SCHEDULE ONE WEEK.
5. RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 95% COVERAGE PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST.
6. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
7. THE CONTRACTOR SHALL HYDRO-MULCH OR SOD (AS SHOWN ON PLANS) ALL EXPOSED CUTS AND FILLS, UPON COMPLETION OF CONSTRUCTION.
8. THE CONTRACTOR SHALL INSPECT THE EROSION/SEDIMENTATION CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/2 INCH, TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. ANY ACCUMULATION OF SEDIMENT AFTER A SIGNIFICANT RAINFALL SHALL BE REMOVED AND PLACED IN THE DESIGNATED SPOIL DISPOSAL SITE. THE CONTRACTOR SHALL CONDUCT THE PERIODIC INSPECTIONS OF ALL EROSION/SEDIMENTATION CONTROLS AND MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
9. NO ABOVE AND/OR BELOW GROUND TEMPORARY FUEL STORAGE FACILITIES TO BE STORED ON THE PROJECT SITE.
10. INTENTIONAL RELEASE OF VEHICLE OR EQUIPMENT FLUIDS ONTO THE GROUND IS NOT ALLOWED. CONTAMINATED SOIL, RESULTING FROM SPILLS, ACCIDENTAL OR INTENTIONAL, SHALL BE REMOVED AND DISPOSED OF PROPERLY.

CITY OF DALLAS INFRASTRUCTURE NOTES

A. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND THE CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ADDENDUM.

B. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.

C. FOR ADJUSTMENT OF DALLAS WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL (214) 670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.

D. STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS, AND STORM DRAINAGE FACILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251D-1, LATEST EDITION.

E. ALL CONCRETE FOR PAVEMENT SHALL BE 4000 PSI FOR MACHINE FINISH AND 4500 PSI IF IT IS NECESSARY FOR HAND FINISH.

CITY OF DALLAS PAVING NOTES

A. CLASS TEST STRENGTH FOR SIDEWALK IS 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.

B. CLASS TEST STRENGTH FOR CURB AND GUTTER IS 4,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.

C. STANDARD SUBGRADE COMPACTION FOR SIDEWALKS IN MINIMUM 95% OF STANDARD PROCTOR DENSITY WITHIN MINUS 2% TO PLUS 4% OF OPTIMUM MOISTURE CONTENT.

D. SIDEWALKS REQUIRE MINIMUM #3 BARS SPACED ON 24" CENTERS.

E. ALL CURBS WITHIN CITY RIGHT-OF-WAY MUST BE REINFORCED WITH #4 BARS.

F. CURB AND GUTTER MUST BE DESIGNED AND CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE.

G. SEPARATE CONCRETE CURB AND GUTTER SHALL BE MARKED 3/8" DEEP WITH AN APPROVED TOOL (SAW CUT) IN 15 FOOT SECTIONS. INSTALL #4 "L-SHAPED" REBAR DOWELS (12" INTO EXISTING PAVEMENT), EVERY 18", EPOXIED IN.

H. 1" REDWOOD EXPANSION JOINTS ARE REQUIRED AT ALL ABRUPT CHANGES IN ALIGNMENT OR WIDTH, RADII POINTS, OR EVERY 80 FEET, BEGINNING AT THE CURB RETURN.

I. IF SIDEWALK IS LOCATED AT BACK-OF-CURB, REDWOOD JOINTS SHOULD MATCH WITH EXISTING REDWOOD JOINTS IN THE STREET.

J. AT ALL EXPANSION JOINTS, 24" LONG, #6 (3/4") SMOOTH DOWEL IS REQUIRED EVERY 24" ON CENTER.

K. 1" FOOTINGS ARE REQUIRED AT ALL EXPANSION JOINTS AND THE PAVEMENT DEPTH TRANSITIONS FROM 4" TO 5" THICK, OVER THE 24" LENGTH OF PAVEMENT.

L. 8" FOOTING IS REQUIRED FOR SIDEWALKS LOCATED AT BACK-OF-CURB, WITH A 6" DOWEL.

M. SIDEWALK MUST BE MINIMUM 5' WIDE IF LOCATED AT BACK-OF-CURB.

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06/11/2025

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REVISIONS:

No.	Date

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DATE: 06/11/2025

GENERAL NOTES

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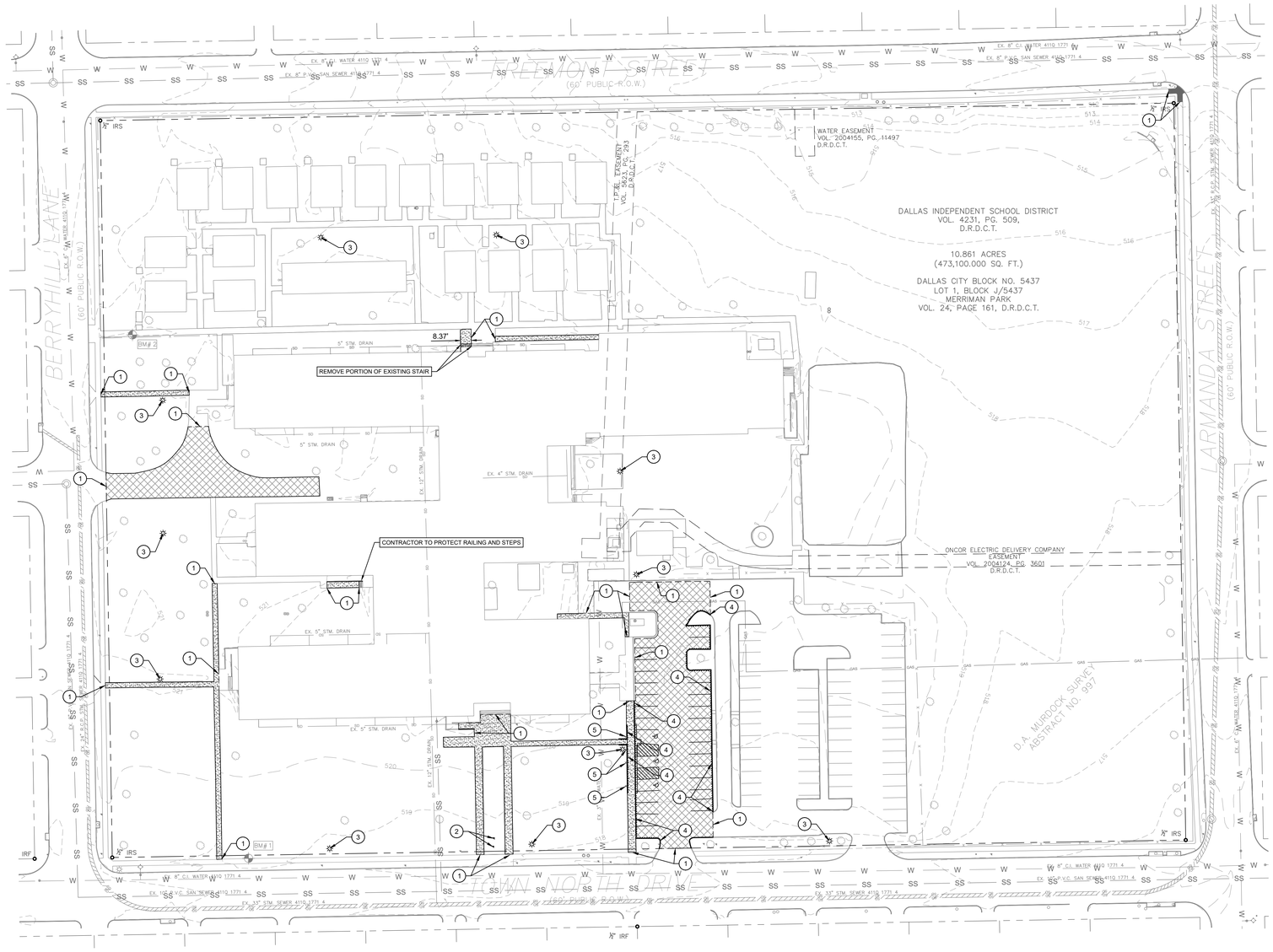



GRAPHIC SCALE

40 0 40 80

(IN FEET)
1 INCH = 40 FEET

LEGEND

- FULL-DEPTH SAWCUT
- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK
- EXISTING FENCE LINE
- EXISTING CONTOUR (MAJOR INTERVAL)
- EXISTING CONTOUR (MINOR INTERVAL)
- EXISTING WATER LINE AND VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING MANHOLE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING OVERHEAD ELCTRIC LINE
- EXISTING GAS MAIN
- REMOVE CONCRETE PAVEMENT (PRIVATE)
- REMOVE SIDEWALK PAVEMENT (PRIVATE)
- REMOVE R.O.W. SIDEWALK PAVEMENT (PUBLIC)

DEMOLITION NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION DEPICTED ON THIS PLAN, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.
2. CONTRACTOR SHALL PROTECT EXISTING CURBS UNLESS OTHERWISE NOTED ON THIS PLAN.
3. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES AND FOLLOW THE SWPPP, IF APPLICABLE, PRIOR TO ALL DEMOLITION AND SITE DISTURBANCE ACTIVITIES.
4. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR ALL TREE PROTECTION AND REMOVAL. EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL UTILIZE EXISTING CONCRETE JOINTS, AS APPROPRIATE, WHEN CONCRETE SAW-CUT LIMITS ARE CLOSER THAN ½ OF THE EXISTING CONCRETE PANEL WIDTH. THE MINIMUM REMAINING CONCRETE WIDTH, BETWEEN SAW-CUT AND EXISTING JOINT, SHALL BE NO LESS THAN FOUR (4) FEET.
6. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DEMOLITION.
7. REFER TO LANDSCAPE PLANS FOR ALL EXISTING TREE PROTECTION AND REMOVAL.
8. SAWCUT LINES SHOWN ON THE DESIGN PLANS FOR THE REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT DRIVES, SLABS, SIDEWALKS, ETC. WITHIN CITY RIGHTS-OF-WAY ARE FOR INFORMATIONAL PURPOSES ONLY. IF PAVEMENT IS MORE THAN 5 YEARS OLD, THE PAVEMENT CUT AND REPAIR STANDARDS MANUAL MUST BE FOLLOWED. IF PAVEMENT IS 5-YEARS OR LESS, THE ENTIRE CONCRETE PANEL MUST BE REPLACED.
9. PROTECT EXISTING TREES AND VEGETATION, UNLESS NOTED OTHERWISE.

KEY NOTES

1. FULL-DEPTH SAWCUT LIMITS
2. REMOVE SITE SIGN
3. REMOVE SITE LIGHTING
4. REMOVE EXISTING CURB
5. REMOVE AND REPLACE ADA SIGNAGE AND REALIGN WITH PROPOSED STRIPING

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DEMOLITION PLAN

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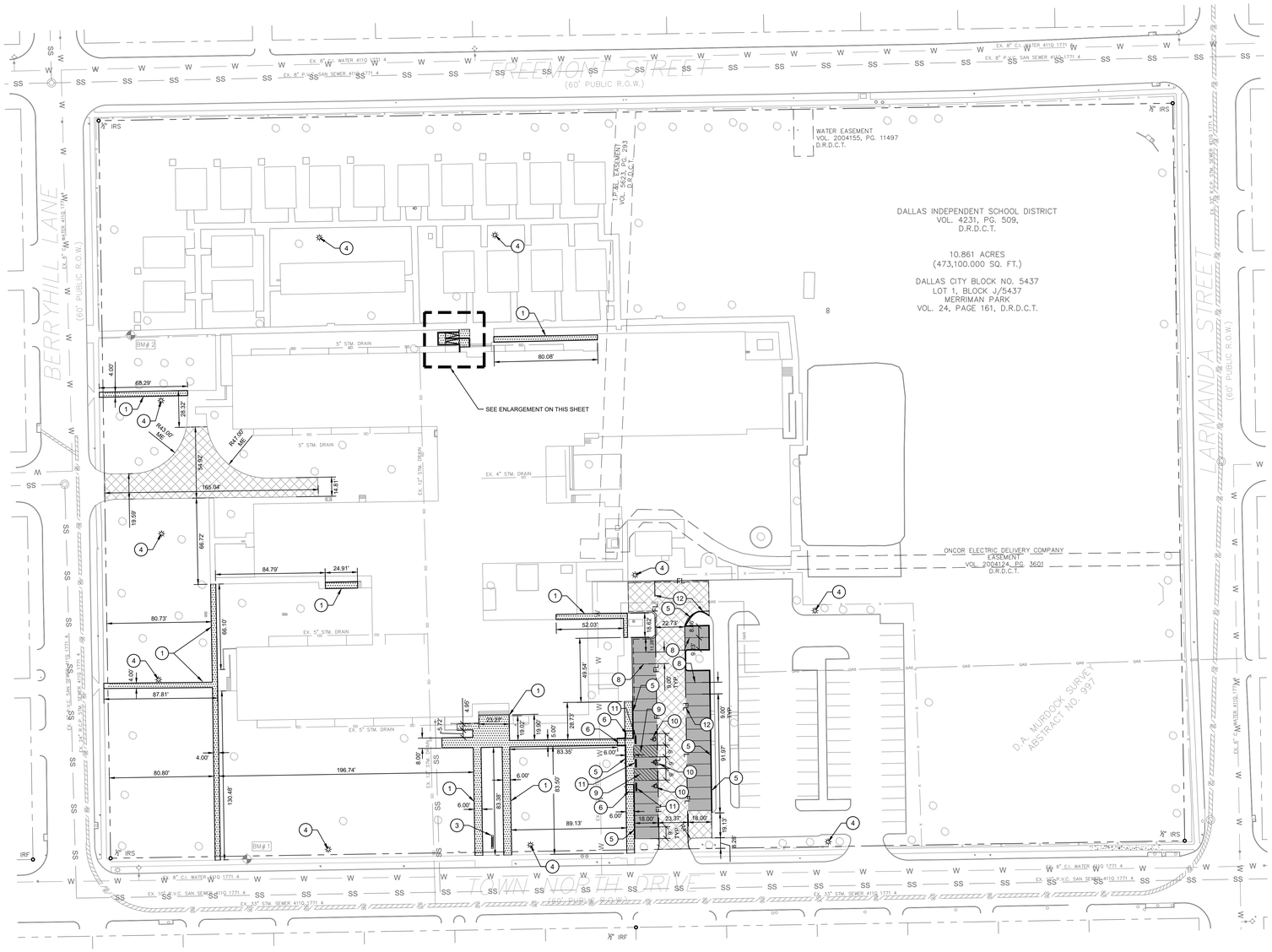

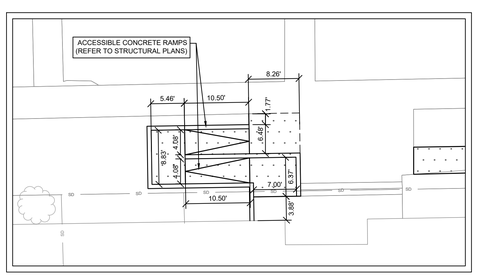

NORTH CONCRETE RAMP

SCALE: 1"=10'

GRAPHIC SCALE

40 0 40 80

(IN FEET)
1 INCH = 40 FEET

LEGEND

- FULL DEPTH SAWCUT
- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- PROPOSED FIRE LANE
- HEAVY DUTY CONCRETE PAVEMENT
- REGULAR DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK PAVEMENT (PUBLIC)

DIMENSION CONTROL NOTES

1. ALL DIMENSIONS ARE TO PROPERTY LINE, EASEMENT LINE, BUILDING FACE, OR FACE OF CURB UNLESS NOTED OTHERWISE.
2. ALL PROPOSED DRIVEWAY APPROACHES AND SIDEWALKS SHALL CONFORM TO THE STANDARD DETAILS, FILE 251D-1 PG 1007.
3. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS-SLOPE OF 1:50 (2%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5%).
4. NO PORTION OF THE DRIVEWAYS CAN BE WITHIN 3 FEET OF ANY FIRE HYDRANT, ELECTRICAL POLE, OR ANY OTHER SURFACE PUBLIC UTILITY.
5. ALL CURB RETURN RADII AT PARKING STALLS ARE 2.0', UNLESS OTHERWISE NOTED.

PAVING NOTES

1. THE CONTRACTOR SHALL INSTALL EXPANSION JOINTS EVERY 200 FEET, AND CONTRACTION JOINTS EVERY 15 FEET MINIMUM FOR ALL CONCRETE PAVING, CURBS AND SIDEWALKS.
2. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS-SLOPE OF 1:50 (2%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5%).
3. ALL SIDEWALKS, RAMPS, AND STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA/TAS STANDARDS.
4. REFER TO ARCHITECTURAL PLANS FOR ALL CONCRETE FINISHES.

KEY NOTES

1. CONCRETE SIDEWALK PAVEMENT REPLACEMENT (PRIVATE)
2. CONCRETE SIDEWALK PAVEMENT REPLACEMENT (PUBLIC)
3. PROPOSED SITE SIGN (REFER TO ARCH)
4. PROPOSED SITE LIGHTING (REFER TO MEP PLANS)
5. 6" CONCRETE CURB
6. CONCRETE CURB RAMP
7. END OF TAPERED CURB (REFER TO GRADING PLANS)
8. 4" WIDE WHITE PAINTED TRAFFIC STRIPE (TYP.)
9. 4" WIDE WHITE PAINTED TRAFFIC STRIPE @ 45° AND 24" O.C.(TYP.)
10. ACCESSIBLE PARKING PAVEMENT MARKING (TYP)
11. EXISTING ACCESSIBLE PARKING SIGN TO REMAIN (TYP)
11. PROPOSED CONCRETE PARKING BUMPER (TYP)
12. FIRELANE STRIPING (IN ACCORDANCE WITH CITY STANDARDS)

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DIMENSION CONTROL AND PAVING PLAN

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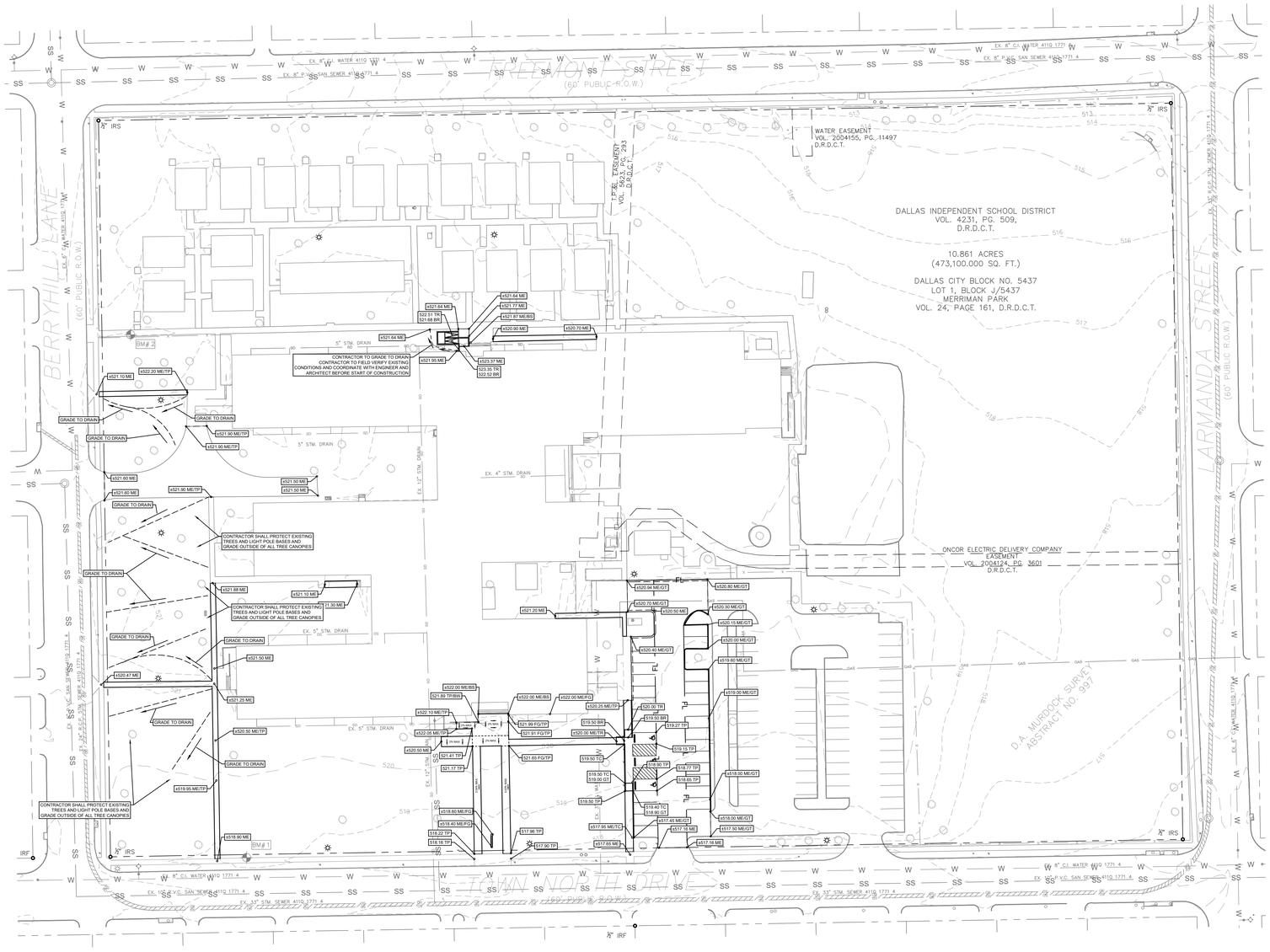



GRAPHIC SCALE

40 0 40 80

(IN FEET)

1 INCH = 40 FEET

LEGEND

	BOUNDARY / PROPERTY LINE
	EASEMENT LINE
	BUILDING SETBACK
X X	EXISTING FENCE LINE
75	EXISTING CONTOUR (MAJOR INTERVAL)
74	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING STORM SEWER
OHE OHE	EXISTING OVERHEAD ELECTRIC LINE
GAS	EXISTING GAS MAIN
	PROPOSED FENCE LINE
FL	PROPOSED FIRE LANE
75	PROPOSED CONTOUR (MAJOR INTERVAL)
74	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED STORM SEWER LINE
575.00	PROPOSED SPOT ELEVATION
TC	TOP OF CURB
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING
TW	TOP OF WALL
BW	BOTTOM OF WALL
TP	TOP OF PAVEMENT
FF	FINISHED FLOOR
FG	FINISHED GRADE
GT	GUTTER
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS
TB	TOP OF BERM
TR	TOP OF RAMP
BR	BOTTOM OF RAMP

GRADING NOTES

1. ALL SPOT ELEVATIONS AND CONTOURS REPRESENT THE TOP SURFACE OF PAVEMENT, OR FINISHED NATURAL GRADE, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR WANTS TO ACHIEVE THE SUBGRADE ELEVATION, THEY SHALL SUBTRACT THE THICKNESS OF PAVEMENT AND ANY BASE MATERIALS.
2. UNLESS NOTED OTHERWISE, SPOT ELEVATIONS REPRESENT THE BASE OF CURB (FLOW LINE OF CURB) ELEVATION.
3. SIDEWALKS SHALL HAVE A MAXIMUM CROSS-SLOPE OF 1:50 (2%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5%). WHEN SIDEWALKS ARE UP AGAINST DOOR APPROACHES, THE IMMEDIATE AREA, 5 FEET IN FRONT OF THE DOOR AND 18" TO THE STRIKE SIDE OF THE DOOR, SHALL SLOPE AWAY FROM THE BUILDING AT 1% MINIMUM AND AT 2% MAXIMUM SLOPE IN ANY DIRECTION.
4. FLATWORK AT COVERED PATIOS SHALL SLOPE AWAY FROM THE BUILDING AT 1% MINIMUM AND AT 2% MAXIMUM SLOPE IN ANY DIRECTION.
5. THE MAXIMUM SLOPE IN UNPAVED AREAS SHALL BE 4:1 UNLESS OTHERWISE NOTED.
6. ALL SIDEWALKS, PARKING STALLS AND OTHER ACCESSIBLE SITE ELEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA/TAS STANDARDS.
7. FINISH GRADE AT BUILDING PERIMETER IS 8" BELOW FINISH FLOOR, UNLESS OTHERWISE NOTED.
8. ALL CURB HEIGHTS ARE 6", UNLESS NOTED OTHERWISE.
9. ACCESSIBLE RAMPS SHALL HAVE 1:12 MAXIMUM SLOPE WITH A 2% MAXIMUM CROSS-SLOPE. RAMP LANDINGS SHALL BE 2% MAXIMUM IN ALL DIRECTIONS.
10. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.

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GRADING PLAN

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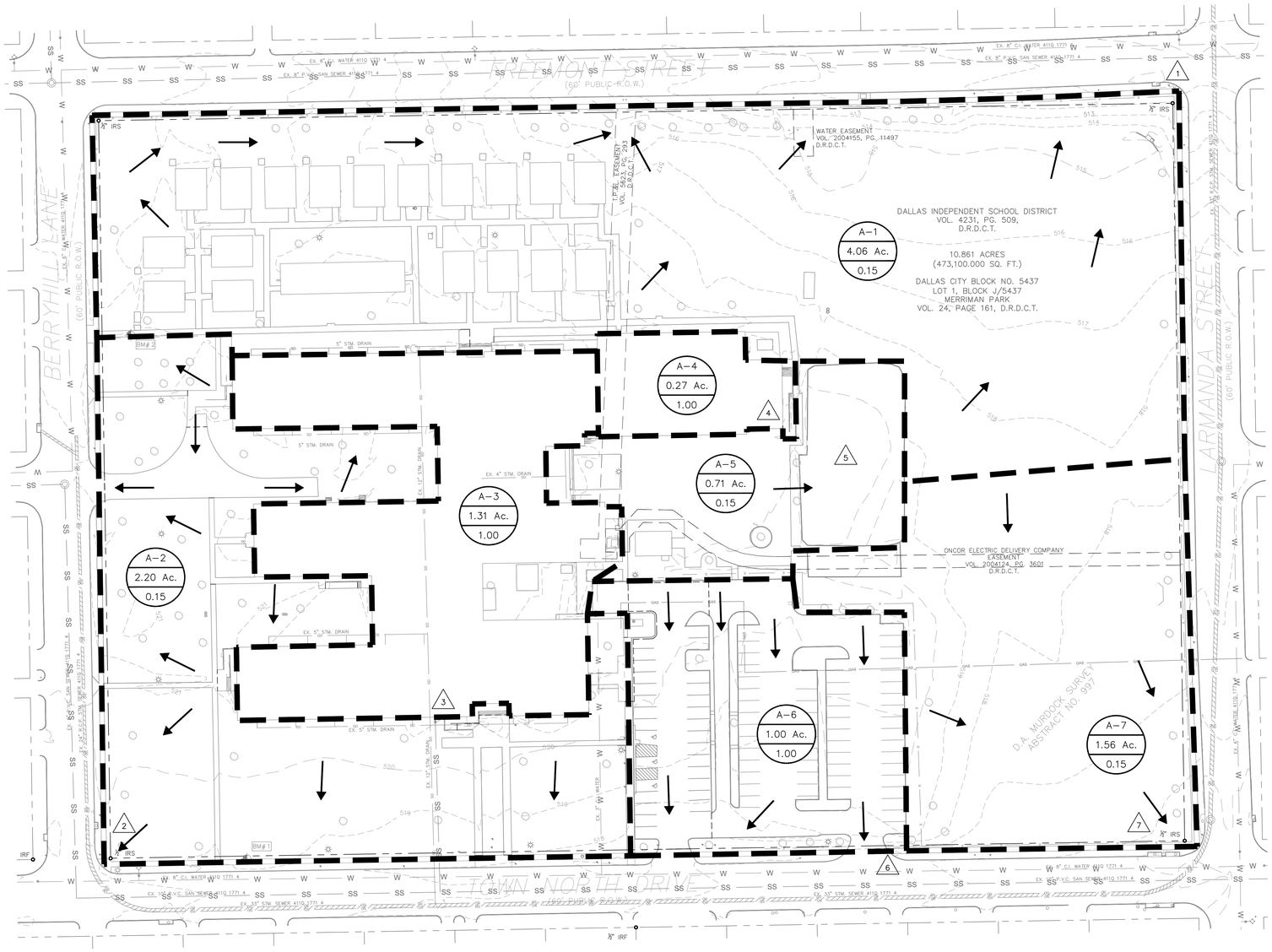



GRAPHIC SCALE

40 0 40 80

(IN FEET)
1 INCH = 40 FEET

LEGEND

- A / 0.12 Ac. / 0.90 — DRAINAGE BASIN, BASIN AREA, RUNOFF COEFFICIENT
- FLOW ARROW
- 10 — DESIGN POINT
- DRAINAGE BASIN BOUNDARY

NOTES

1. INTENSITY AND TIME OF CONCENTRATION CALCULATIONS ARE BASED ON .....

PEAK RUNOFF CALCULATIONS

EXISTING CONDITIONS

Design Point	Drainage Basin	Total Area	Runoff C-Coefficient	Time of Concentration	Intensity				Peak Runoff				Drains to
				T_c	I_2	I_{10}	I_{50}	I_{100}	Q_2	Q_{10}	Q_{50}	Q_{100}	
		(Acres)		*(Min.)*	*(in/hr)*	*(in/hr)*	*(in/hr)*	*(in/hr)*	*(cfs)*	*(cfs)*	*(cfs)*	*(cfs)*	
1	A-1	4.06	0.15	10	4.75	6.71	8.81	8.88	2.89	4.09	5.37	5.41	
2	A-2	2.20	0.15	10	4.75	6.71	8.81	8.88	1.57	2.21	2.91	2.93	
3	A-3	1.31	1.00	10	4.75	6.71	8.81	8.88	6.22	8.79	11.54	11.63	
4	A-4	0.27	1.00	10	4.75	6.71	8.81	8.88	1.28	1.81	2.38	2.40	
5	A-5	0.71	0.15	10	4.75	6.71	8.81	8.88	0.51	0.71	0.94	0.95	
6	A-6	1.00	1.00	10	4.75	6.71	8.81	8.88	4.75	6.71	8.81	8.88	
7	A-7	1.56	0.15	10	4.75	6.71	8.81	8.88	1.11	1.57	2.06	2.08	
-	TOTAL	11.11	0.32	10	4.75	6.71	8.81	8.88	16.98	23.98	31.49	31.74	

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EXISTING DRAINAGE AREA MAP

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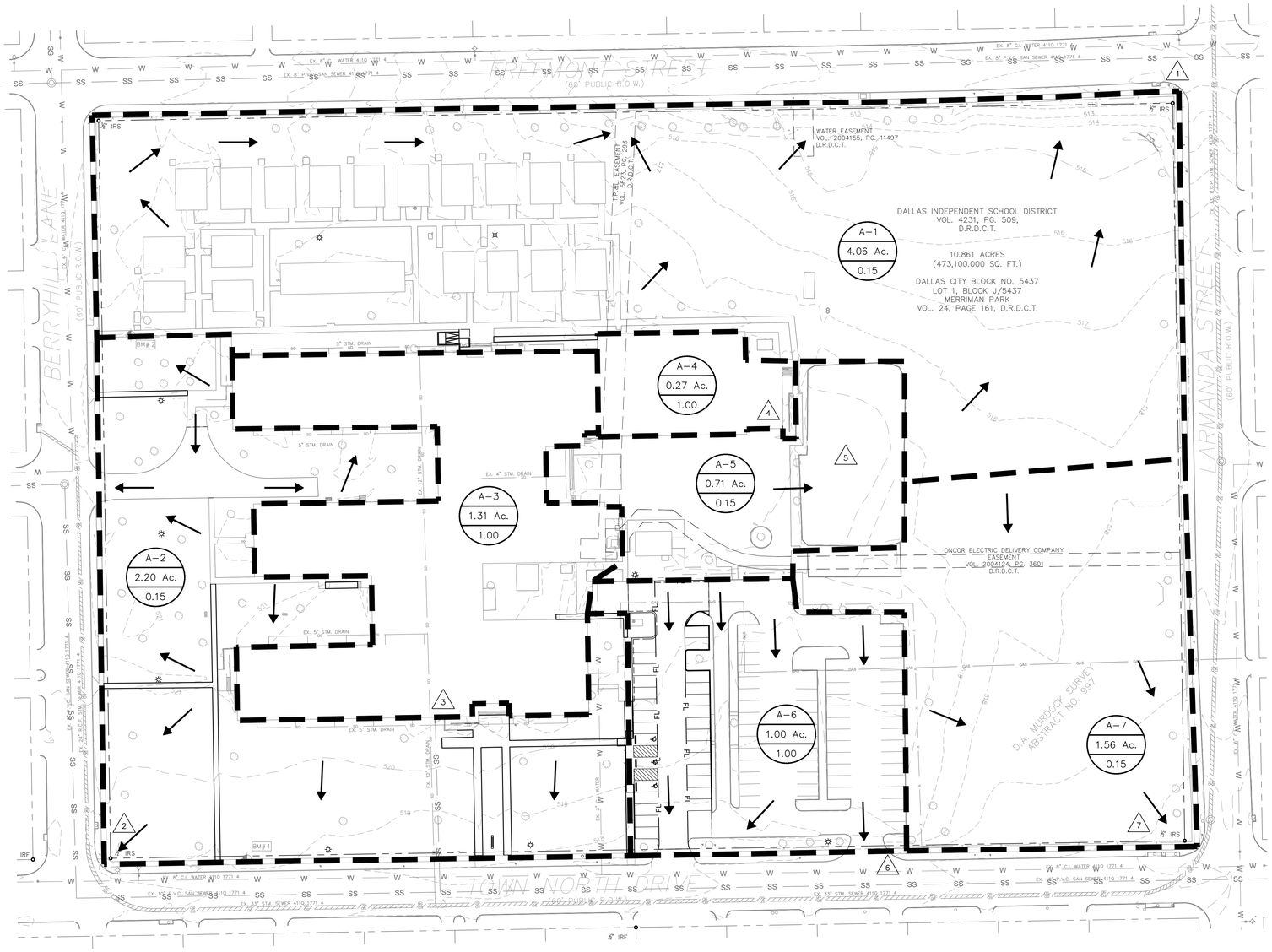



GRAPHIC SCALE

40 0 40 80

(IN FEET)
1 INCH = 40 FEET

LEGEND

- A / 0.12 Ac. / 0.90 — DRAINAGE BASIN, BASIN AREA, RUNOFF COEFFICIENT
- FLOW ARROW
- 10 — DESIGN POINT
- DRAINAGE BASIN BOUNDARY

NOTES

1. INTENSITY AND TIME OF CONCENTRATION CALCULATIONS ARE BASED ON .....

PEAK RUNOFF CALCULATIONS

PROPOSED CONDITIONS

Design Point	Drainage Basin	Total Area	Runoff C-Coefficient	Time of Concentration	Intensity				Peak Runoff				Drains to
				T_c	I_2	I_{10}	I_{50}	I_{100}	Q_2	Q_{10}	Q_{50}	Q_{100}	
		(Acres)		(Min.)	(in/hr)	(in/hr)	(in/hr)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	
1	A-1	4.06	0.15	10	4.75	6.71	8.81	8.88	2.89	4.09	5.37	5.41	
2	A-2	2.20	0.15	10	4.75	6.71	8.81	8.88	1.57	2.21	2.91	2.93	
3	A-3	1.31	1.00	10	4.75	6.71	8.81	8.88	6.22	8.79	11.54	11.63	
4	A-4	0.27	1.00	10	4.75	6.71	8.81	8.88	1.28	1.81	2.38	2.40	
5	A-5	0.71	0.15	10	4.75	6.71	8.81	8.88	0.51	0.71	0.94	0.95	
6	A-6	1.00	1.00	10	4.75	6.71	8.81	8.88	4.75	6.71	8.81	8.88	
7	A-7	1.56	0.15	10	4.75	6.71	8.81	8.88	1.11	1.57	2.06	2.08	
-	TOTAL	11.110	0.32	10	4.75	6.71	8.81	8.88	16.98	23.98	31.49	**31.74**	

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PROPOSED DRAINAGE AREA MAP

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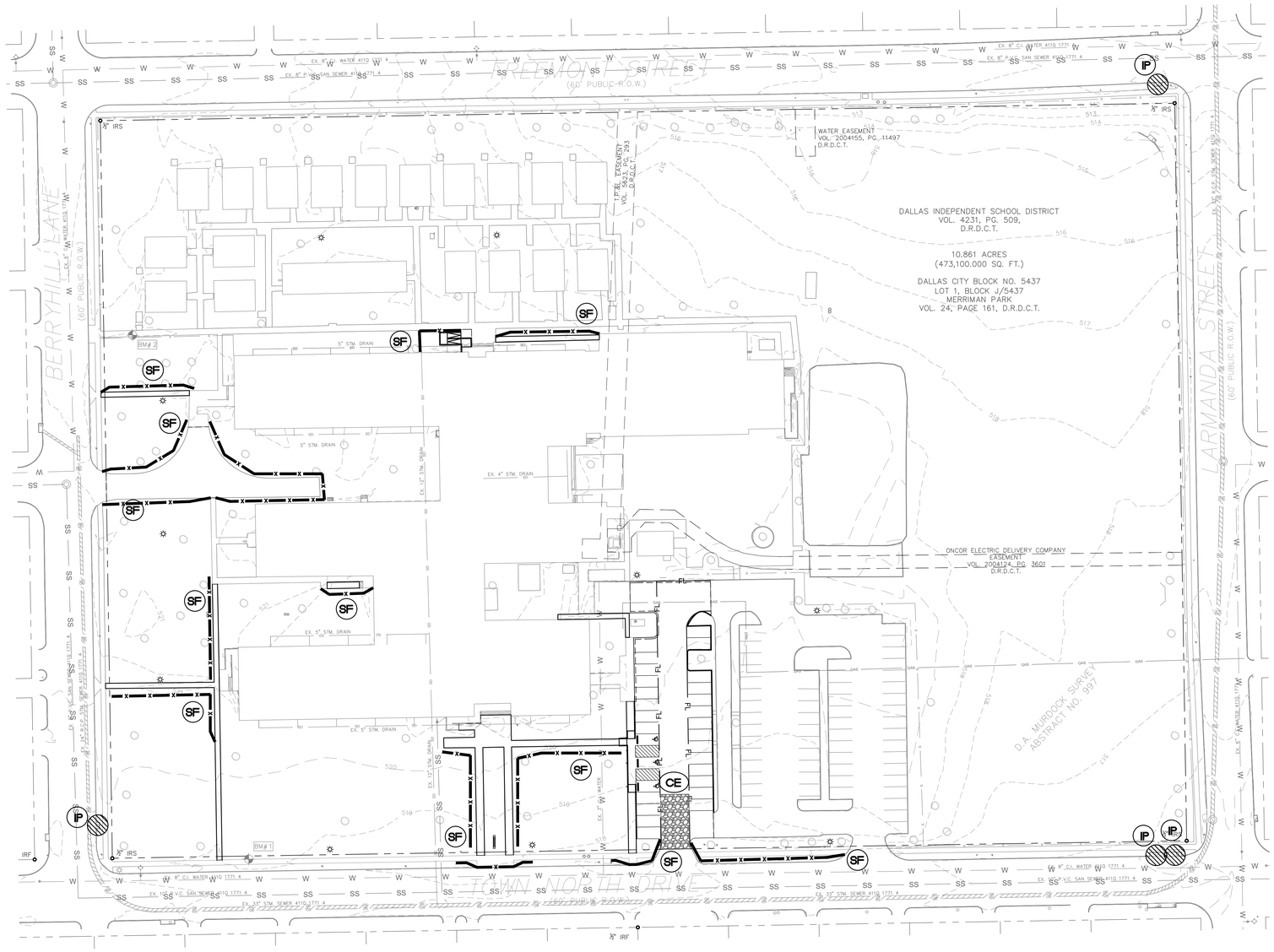

GRAPHIC SCALE

40 0 80 160

(IN FEET)
1 INCH = 40 FEET

LEGEND

- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK
- EXISTING FENCE LINE
- EXISTING CONTOUR (MAJOR INTERVAL)
- EXISTING CONTOUR (MINOR INTERVAL)
- EXISTING WATER LINE AND VALVE
- FH EXISTING FIRE HYDRANT
- WM EXISTING WATER METER
- MH EXISTING MANHOLE
- SS EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- OHE EXISTING OVERHEAD ELECTRIC LINE
- GAS EXISTING GAS MAIN
- PROPOSED FENCE LINE
- FL PROPOSED FIRE LANE
- PROPOSED CONTOUR (MAJOR INTERVAL)
- PROPOSED CONTOUR (MINOR INTERVAL)
- PROPOSED WATER LINE AND VALVE
- FH PROPOSED FIRE HYDRANT
- MH PROPOSED MANHOLE
- SF PROPOSED SILT FENCE
- CE PROPOSED CONSTRUCTION ENTRANCE/EXIT
- IP PROPOSED INLET PROTECTION

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES AND FOLLOW THE SWPPP, IF APPLICABLE, PRIOR TO ALL DEMOLITION AND SITE DISTURBANCE ACTIVITIES.
2. CONTRACTOR TO PROVIDE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS AS SEEN FIT FOR THE SCOPE OF THE PROJECT.
3. EROSION CONTROL MEASURES ARE ONGOING. THE CONTRACTOR SHALL MAKE FIELD CHANGES AS CONSTRUCTION OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK WITH CITY INSPECTORS TO COMPLY WITH ALL EROSION PROTECTION REQUIREMENTS.
4. CONTRACTOR MUST REMOVE SEDIMENT ACCUMULATION IN ALL EROSION CONTROL STRUCTURES AS PART OF MAINTENANCE REQUIREMENT. STRUCTURES SUCH AS, BUT NOT LIMITED TOO, THE CHECK DAM MUST BE MAINTAINED ON A WEEKLY OR BI-WEEKLY BASIS DURING CONSTRUCTION.
5. CONTRACTOR TO REFER TO EROSION CONTROL DETAILS INCLUDED IN THIS PLAN SET.

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EROSION CONTROL PLAN

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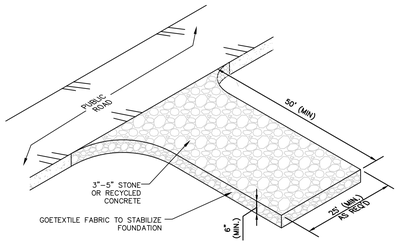
EROSION CONTROL NOTES

1. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF DALLAS.
3. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
4. IF OFF-SITE BORROW OR SPOILS SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOILS AREAS ARE CONSIDERED PART OF EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION HALL SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.
6. CONTRACTOR SHALL HAVE A COPY THE SWPPP ON SITE AT ALL TIMES.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. STORM WATER POLLUTION PREVENTION REQUIREMENTS.



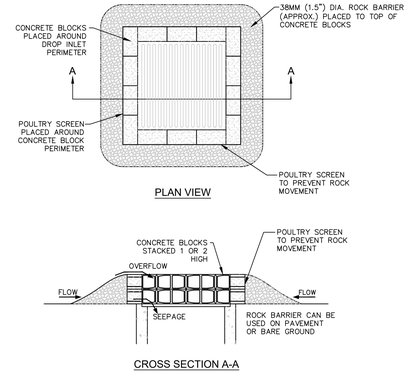
ISOMETRIC PLAN VIEW

NOTES

1. THE CONSTRUCTION ENTRANCE SHALL BE SLOPED AWAY FROM THE PAVED SURFACE SO THAT STORMWATER FROM THE SITE DOES NOT EXIT AND DISCHARGE THROUGH THE CONSTRUCTION ENTRANCE.
2. THE GEOTEXTILE FABRIC SHALL MEET THE MINIMUM FOLLOWING CRITERIA:
   A. TENSILE STRENGTH, ASTM D4632 TEST METHOD FOR GRAB BREAKING LOAD AND ELONGATION OF GEOTEXTILES: 300 LBS
   B. PUNCTURE STRENGTH, ASTM 4833 TEST METHOD FOR INDEX PUNCTURE RESISTANCE OF GEOMEMBRANES AND RELATED PRODUCTS: 120 LBS
   C. MULLEN BURST RATING, ASTM D3786 STANDARD TEST METHOD FOR HYDRAULIC BURSTING STRENGTH OF TEXTILE FABRICS-DIAPHRAGM BURSTING STRENGTH TESTER METHOD: 600 PSI
   D. APPARENT OPENING SIZE, ASTM D 4751 TEST METHOD OF DETERMINING APPARENT OPENING SIZE OF A GEOTEXTILE: US SIEVE NO. 40 (MAX)
3. ROCK ITSELF MAY NOT BE SUFFICIENT TO REMOVE CLAY SOILS FROM WHEELS, PARTICULARLY IN WET CONDITIONS. WHEN NECESSARY, VEHICLES MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING PAVED ROADS, STREETS OR PARKING LOTS.

1 CONSTRUCTION ENTRANCE/EXIT

Scale: Not to Scale

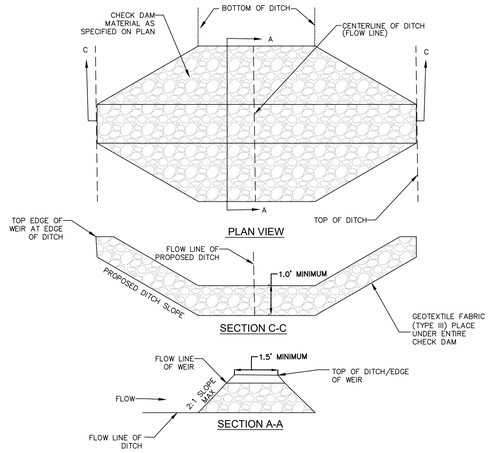


PLAN VIEW

CROSS SECTION A-A

3 INLET PROTECTION

Scale: Not to Scale



PLAN VIEW

SECTION C-C

SECTION A-A

5 ROCK CHECK DAM

Scale: Not to Scale

EROSION CONTROL SCHEDULE AND SEQUENCE

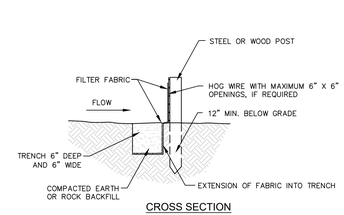
THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE 1 – DEMOLITION/GRADING
- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, AND TREE PROTECTION FENCE ACCORDING TO THE APPROXIMATE LOCATION SHOWN ON GRADING AND EROSION CONTROL PLAN, NOTES, AND DETAIL SHEETS.
- B. BEGIN CLEARING AND GRADING OF SITE.
- C. SEED AND REVEGETATE SLOPES WHERE SHOWN.

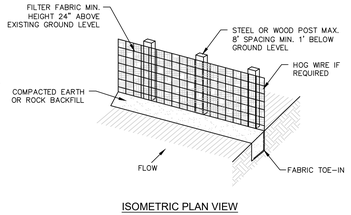
PHASE 2 – UTILITIES
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- B. INSTALL STORM DRAINS AS SPECIFIED ON PLAN SHEETS.
- C. INSTALL INLET PROTECTION.

PHASE 3 – PAVING
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
- B. STABILIZE SUBGRADE.
- C. PAVE PARKING LOT AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
- D. REMOVE TEMPORARY CONSTRUCTION ENTRANCE.
- E. MAINTAIN INLET PROTECTION.

PHASE 4 – LANDSCAPING AND SOIL STABILIZATION
- A. REVEGETATE LOT AND PARKWAYS
- B. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
- C. REMOVE EROSION CONTROL DEVICES WHEN GROUND COVER ESTABLISHED.



CROSS SECTION



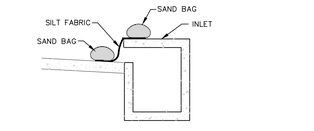
ISOMETRIC PLAN VIEW

SILT FENCE DETAIL

N.T.S.

2 SILT FENCE

Scale: Not to Scale



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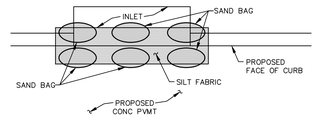

PLAN VIEW

4 INLET PROTECTION

Scale: Not to Scale

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LICENSED PROFESSIONAL ENGINEER
06/11/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

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DATE: 06/11/2025

EROSION CONTROL DETAILS

C5.02

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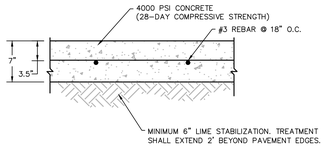
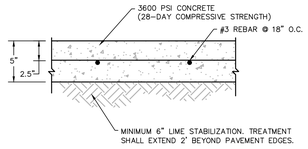
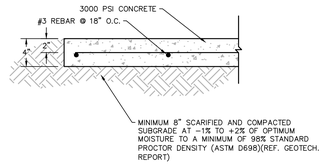


HEAVY DUTY CONCRETE PAVING



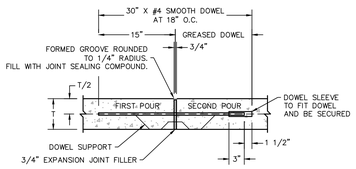
REGULAR DUTY CONCRETE PAVING



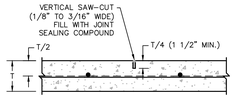
CONCRETE SIDEWALK

1 CONCRETE PAVEMENT SECTIONS

Scale: Not to Scale

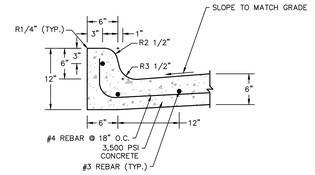


EXPANSION JOINT



CONTRACTION/DUMMY JOINT

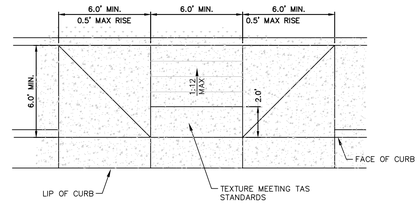
*EXPANSION JOINTS REQUIRED EVERY 200 FEET OR LESS, AND CONTRACTION JOINTS EVERY 15 FEET MINIMUM.

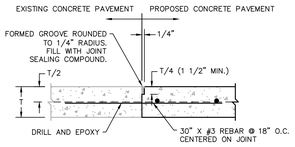


CONCRETE MONOLITHIC CURB

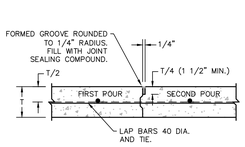
2 CONCRETE CURB AND GUTTER

Scale: Not to Scale





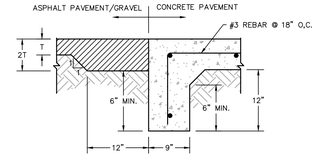
SAWED CONSTRUCTION/BUTT JOINT



CONSTRUCTION JOINT

3 CONCRETE PAVMENT JOINTS

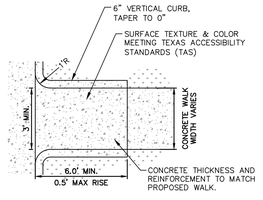
Scale: Not to Scale

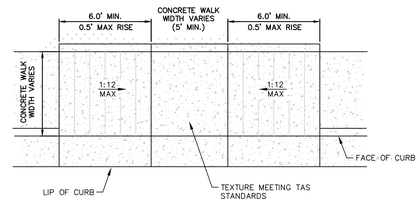


ASPHALT TO CONCRETE HEADER

4 CONCRETE HEADER

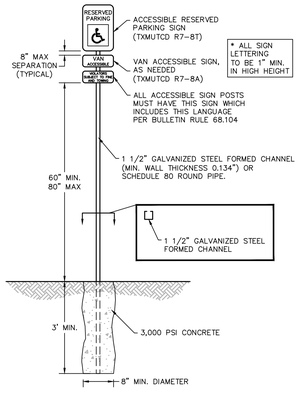
Scale: Not to Scale





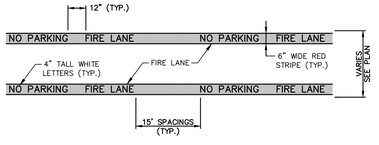
5 CURB RAMPS

Scale: Not to Scale



6 ACCESSIBLE PARKING SIGN

Scale: Not to Scale

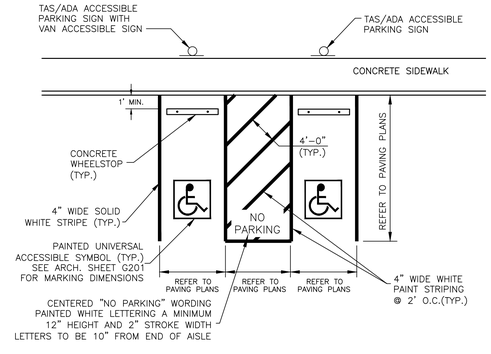


GENERAL NOTE:
1. STRIPING TO BE DONE IN ACCORDANCE WITH CITY STANDARDS.
2. NO PARKING FIRE LANE TO BE PAINTED ENTIRE LENGTH OF DEDICATED FIRE LANE.
3. FIRE LANE MARKING SHALL BE PLACED ALONG THE VERTICAL SURFACE OF THE CURB.
4. WHERE THE ABOVE FIRE LANE MARKINGS ARE DETERMINED TO BE INADEQUATE IN CONTROLLING TRAFFIC, THE PROPERTY OWNER WILL BE REQUIRED TO POST FIRE LANE SIGNS IN ADDITION TO OTHER MARKINGS.

7 FIRE LANE STRIPING

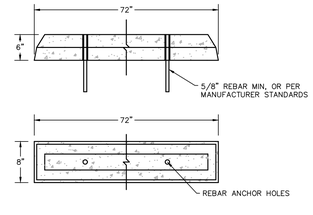
Scale: Not to Scale

NOTE:
CENTER OF POSTS SHALL BE PLACED NEXT TO CONCRETE SIDEWALK. THE POSTS SHALL BE CENTERED WITH THE PARKING SPACE.



8 ACCESSIBLE PARKING PAVEMENT MARKING

Scale: Not to Scale



9 CONCRETE PARKING BUMPER

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CONSTRUCTION DETAILS

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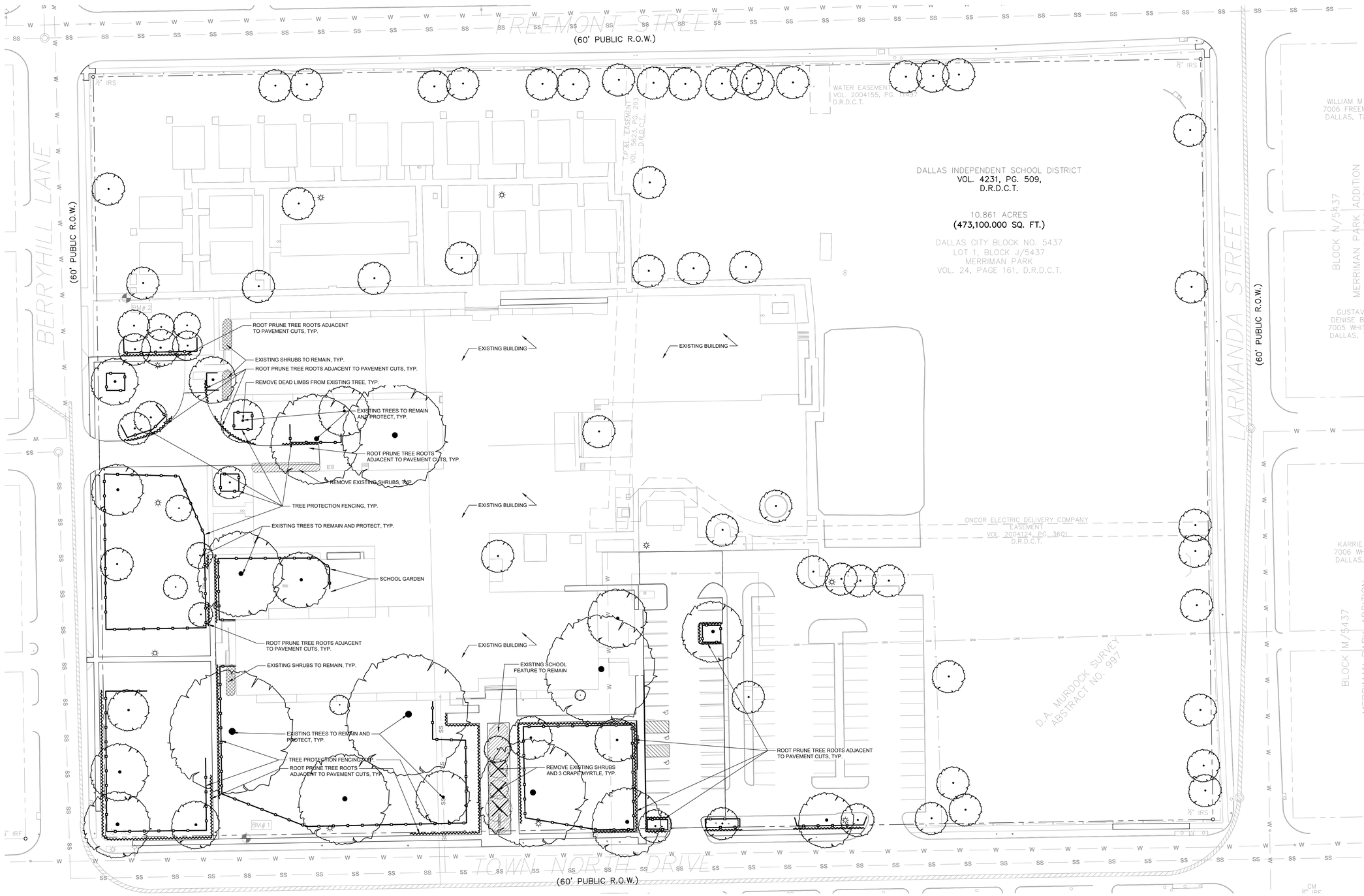

1 TREE PRESERVATION PLAN

1" = 30'-0"

0 15 30 60ft

NORTH

TREE LIST TREES REMOVED

Tree Number	Description	Cal Inches	Protected	Removed	Class	Mitigation Ratio	Cal Inches to Mitigate	Cal Inches Removed	Mitigation Fee	Tree Credit	Note
	CRAPE MYRTLE	6	N	Y	Non-Prot	0	0.00	0.00	$ -	0	Remove due to construction
	CRAPE MYRTLE	6	N	Y	Non-Prot	0	0.00	0.00	$ -	0	Remove due to construction
	CRAPE MYRTLE	6	N	Y	Non-Prot	0	0.00	0.00	$ -	0	Remove due to construction
	TOTALS:	18					0.00	0.00	$ -	0	

DALLAS TREE MITIGATION FEES

TOTAL CALIPER INCHES TO BE MITIGATED:	0	CALIPER INCHES, $9,183 FEE
TOTAL CALIPER INCHES REMOVED/MITIGATED:	0	CALIPER INCHES REMOVED
TOTAL CALIPER INCHES PLANTED:	- 0	CALIPER INCHES PLANTED
DIFFERENCE =	0	CALIPER INCHES
	x $193	MITIGATION FEE PER CALIPER INCH
TOTAL PAYMENT INTO THE REFORESTATION FUND AFTER NEW PLANTING:	$0.00	

***NOTE: REF. L3.00 FOR PLANTING PLANS.

NOTES:
1. LIMB UP TREES AT WALKWAYS AND WHERE NOTED TO PROVIDE MINIMUM 7-FEET VERTICAL CLEARANCE. LIMB REMOVAL TO BE DONE BY CERTIFIED ARBORIST.
2. REMOVE DEAD LIMBS, UNDERGROWTH VEGETATION, AND VINES.
3. CERTIFIED ARBORIST TO PRUNE ALL ROOTS ADJACENT TO NEW CONSTRUCTION, GRADING, BUILDINGS AND PAVEMENT.
4. CERTIFIED ARBORIST TO PERFORM ALL TREE CANOPY AND ROOT PRUNING PER SPECIFICATION 01 56 39.

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE
- EXISTING SHRUBS TO REMAIN
- EXISTING SHRUBS TO REMOVE
- PROPERTY LINE
- TREE PROTECTION FENCING, REF. DETAILS/L1.02
- ROOT PRUNING

NOTE: TREE PROTECTION REQUIRED FOR ALL TREES WITHIN 50-FT OF CONSTRUCTION PER CITY OF DALLAS CODE. CHAIN-LINK FENCING REQUIRED FOR SIGNIFICANT TREES (24" CALIPER AND LARGER)

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REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
06/11/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2240
DATE: 06/11/2025

Tree Preservation Plan

L1.00

CCA LANDSCAPE ARCHITECTS
CCA Landscape Architects Inc.
1701 Whispering Pines Ln
Gunter, TX 75058
P: 214-739-9105

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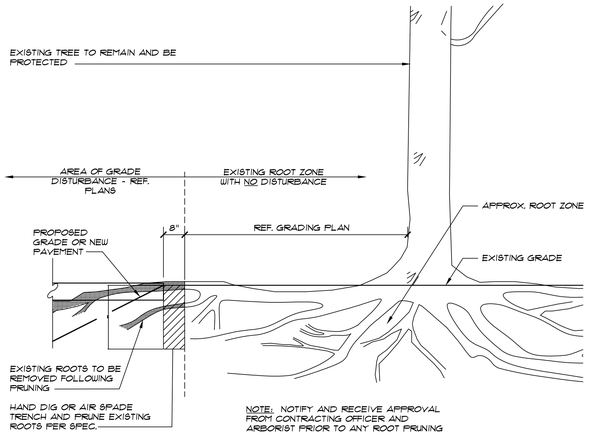
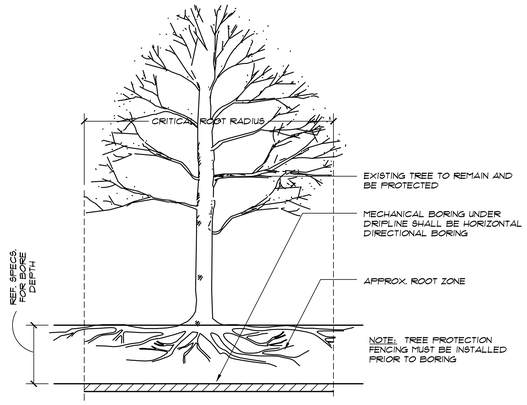
5/23/2024 11:32:36 AM



7 ROOT PRUNING AT EXISTING TREES - SECTION
NTS



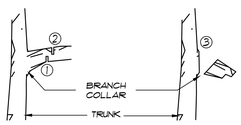
8 BORING UNDER OR NEAR CROWN DRIPLINE - SECT.
NOT TO SCALE

USE TO REMOVE TREE LIMBS AS NECESSARY. COMPLY WITH HORTICULTURAL PRACTICES.

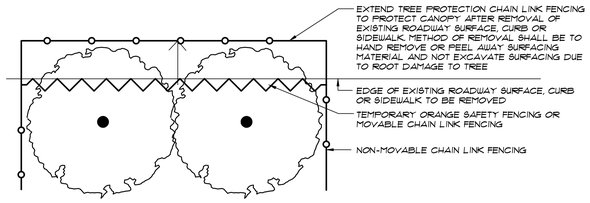
STEP 1: SAW BOTTOM CUT APPROX. 6-12" AWAY FROM TRUNK AND APPROX. ⅓ OF THE WAY THROUGH THE LIMB.
STEP 2: MAKE A SECOND CUT APPROX. 3" FURTHER FROM THE TRUNK THAN THE FIRST CUT UNTIL THE WEIGHT OF THE BRANCH PULLS THE BRANCH DOWN.
STEP 3: CUT THE STUB BACK TO THE COLLAR OF THE BRANCH - DO NOT CUT FLUSH WITH TRUNK.

REMOVE AND DISPOSE OF ALL BRANCHES PER NOTES ON SHEET L1.0 AND SPECIFICATIONS.

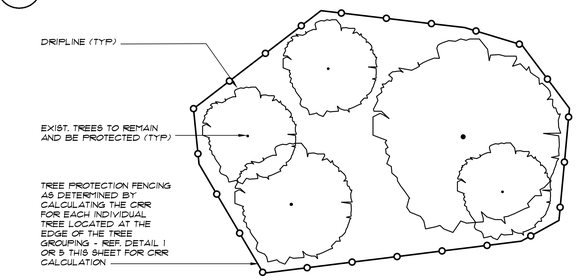
NOTE: PRIOR TO LIMB REMOVAL ON EXISTING TREES, GET WRITTEN PERMISSION AND FIELD VERIFICATION FROM OWNER'S REPRESENTATIVE.



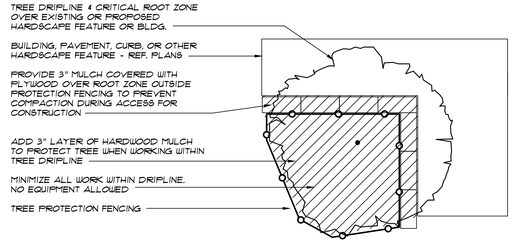
9 3-CUT LIMB PRUNING
NOT TO SCALE



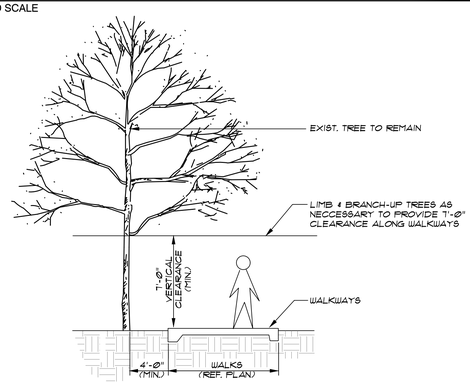
3 TREE PROT. FENCE AT TREES - TO BE EXTENDED
NOT TO SCALE



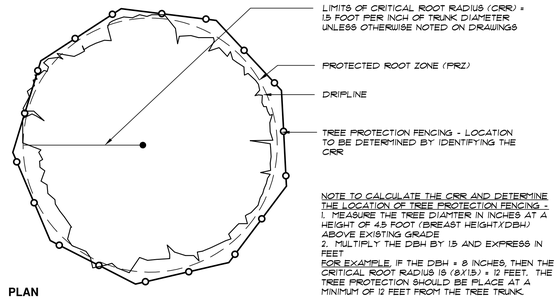
4 TREE PROT. FENCE NEAR CONSTRUCTION ACTIVITY
NOT TO SCALE



5 TREE PROT. FENCE NEAR CONSTRUCTION ACTIVITY
NOT TO SCALE



6 TREE CLEARANCE AT WALK
NOT TO SCALE

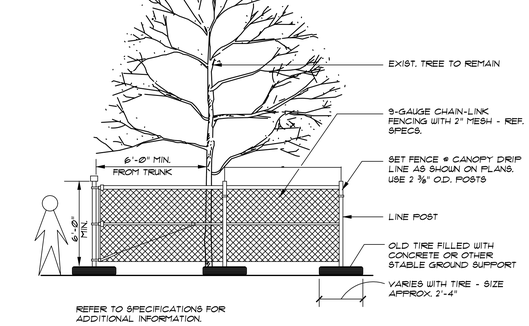


NOTE TO CALCULATE THE CRR AND DETERMINE THE LOCATION OF TREE PROTECTION FENCING -
1. MEASURE THE TREE DIAMTER IN INCHES AT A HEIGHT OF 4.5 FOOT (BREAST HEIGHT/DBH) ABOVE EXISTING GRADE
2. MULTIPLY THE DBH BY 1.5 AND EXPRESS IN FEET

FOR EXAMPLE, IF THE DBH = 8 INCHES, THEN THE CRITICAL ROOT RADIUS IS (8X1.5) = 12 FEET. THE TREE PROTECTION SHOULD BE PLACE AT A MINIMUM OF 12 FEET FROM THE TREE TRUNK.

NOTE: CONTACT LANDSCAPE ARCHITECT IMMEDIATELY IN THE EVENT THAT THE LIMITS OF CRITICAL ROOT RADIUS (CRR) CAN NOT FULLY BE FENCED WITH TREE PROTECTION FENCING

1 TREE PROTECTION FENCING - CHAIN LINK FENCE
NOT TO SCALE



2 MOVABLE TREE PROTECTION FENCING - CHAIN LINK
NOT TO SCALE

TREE PROTECTION, FENCING, FLAGGING, PRUNING, AND MULCHING

1. TREE PROTECTION MUST OCCUR PRIOR TO BEGINNING SITE WORK.
2. ALL PROTECTED TREES MUST BE FLAGGED WITH COLORED VINYL TAPE WRAPPED AROUND THE MAIN TRUNK AT A HEIGHT OF AT LEAST 4 FEET SO AS TO BE VISIBLE TO WORKER OF FOOT OR DRIVING EQUIPMENT.
3. ALL EXISTING TREES ARE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION UNLESS DESIGNATED AS "TO BE REMOVED" ON THE DRAWINGS. CHAINLINK OR ORANGE SAFETY FENCING (MIN. 4'-0" HEIGHT) SHALL BE INSTALLED AS INDICATED ON PLANS AT THE DRIPLINE OR THE CRITICAL ROOT ZONE (WHICHEVER IS GREATER) OF THE TREE OR GROUP OF TREES TO REMAIN.
4. A PROTECTED TREE (DESIGNATED TO REMAIN ON THE PLAN) MUST HAVE PROTECTIVE FENCING WHICH COMPLETELY ENCLOSES THE DRIP LINE OF THE TREE UNTIL CONSTRUCTION IS COMPLETED. FENCING TO BE HELD 3 FEET FROM EDGE OF CANOPY DRIP LINE OR TO EDGE OF ADJACENT HARDSCAPE.
5. PROVIDE MINIMUM 3" DEPTH OF DECOMPOSED COARSELY SHREDDED HARDWOOD MULCH OVER ROOT ZONES OF ALL TREES TO REMAIN WITHIN CONSTRUCTION AREAS AS SHOWN. REFER TO SPECIFICATION SECTION 01 5639.
6. PARKING OF VEHICLES OR PERFORMING WORK WITHIN THESE AREAS OTHER THAN AS SHOWN ON THE PLANS WILL NOT BE ALLOWED. THE TREE PROTECTION SHALL REMAIN DURING THE ENTIRE CONSTRUCTION. OTHER TREE PROTECTION MEASURES SHALL BE IN ACCORDANCE WITH THE CITY OF DALLAS STANDARDS AND ORDINANCES.
7. THE CONTRACTOR SHALL TAKE CARE IN MINIMIZING THE DISTURBANCE TO THE EXISTING TREE TRUNKS AND ROOT SYSTEMS. ALL DEMOLITION AND TRASH REMOVAL ADJACENT TO EXISTING TREES SHALL BE COMPLETED USING HAND TOOLS WHERE POSSIBLE. NO LARGE EQUIPMENT OR ANY EQUIPMENT WITH TRUCKS SHALL BE ALLOWED UNDER THE DRIPLINE OF ANY EXISTING TREES TO REMAIN. THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE DRIPLINE OF TREES TO REMAIN.
8. DISPOSAL OF WASTE MATERIAL, SUCH AS, BUT NOT LIMITED TO: EXCESS SOIL, PAINT, ASPHALT, OIL, SOLVENTS, CONCRETE, MORTAR, ETC. WITHIN THE DRIPLINE OF THE EXISTING TREES SHALL NOT BE ALLOWED.
9. NO ATTACHMENTS OR WIRES OF ANY KIND, OTHER THAN THOSE OF A PROTECTIVE NATURE SHALL BE ATTACHED TO ANY TREE.
10. TREE PRUNING SHALL COMPLY WITH ARBORIST'S PRACTICES AND AS PER SPECIFICATION SECTION 01 5639. REMOVE ALL DEADWOOD FROM TREE CANOPIES. PROVIDE REPAIR TO EXISTING DAMAGED TREES PER ARBORIST'S RECOMMENDATIONS. REMOVE SUCKERS FROM TRUNKS AND LIMB UP LOWER BRANCHES TO MIN. 7' CLEAR AT BOTTOM OF CANOPY, UNLESS TREE IS TOO SMALL FOR THIS PROCEDURE.
11. NO FILL OR EXCAVATION OF ANY NATURE SHALL OCCUR WITHIN THE DRIPLINE OF A TREE TO REMAIN OR BE PROTECTED UNLESS SPECIFIED ON THE PLANS. DO NOT STOCKPILE SUB-SOILS UNDER THE TREE DRIPLINE. ALL EXCAVATION DONE WITHIN THE TREE DRIPLINE SHALL BE HAND DUG UNDER THE SUPERVISION OF THE PARKS DEPT. REPRESENTATIVE.
12. TREE PROTECTION SHALL REMAIN IN-PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ONLY REMOVED UPON APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE.
13. WHERE NEW UTILITY LINES ARE CONSTRUCTED WITHIN THE DRIP LINE OF EXISTING TREES, MECHANICALLY BORE THE NEW UTILITY LINE OR ROOT PRUNE THE EXISTING TREE. MECHANICALLY BORE THE UTILITY LINE IF IT IS WITHIN THE DRIP LINE AND WITHIN FIFTEEN FEET OF THE TRUNK OF THE TREE. ROOT PRUNE THE TREE IF THE UTILITY LINE IS WITHIN THE DRIP LINE BUT GREATER THAN FIFTEEN FEET AWAY FROM THE TREE'S TRUNK. REFER TO SPECIFICATIONS FOR BORING AND ROOT PRUNING REQUIREMENTS.
14. WHERE NEW IRRIGATION LINES ARE CONSTRUCTED WITHIN THE DRIP LINE OF EXISTING TREES, HAND DIG OR AIR SPADE LINE IF IT IS WITHIN THE DRIP LINE AND WITHIN FIFTEEN FEET OF THE TRUNK OF THE TREE. ROOT PRUNE THE TREE IF THE LINE IS WITHIN THE DRIP LINE BUT GREATER THAN FIFTEEN FEET AWAY FROM THE TREE'S TRUNK. REFER TO SPECIFICATIONS FOR HAND DIGGING, AIR SPADING, AND ROOT PRUNING REQUIREMENTS.

REFERENCE SPECIFICATIONS FOR REPLACEMENT COSTS OF EXISTING TREES DAMAGED OR KILLED DURING CONSTRUCTION ACTIVITIES.

NOTE: DO NOT PARK, DRIVE, ETC. BENEATH ANY EXISTING TREE TO REMAIN, INCLUDING THOSE NOT SHOWN WITH TREE PROTECTION FENCING. ALL EXISTING TREES TO REMAIN ON SITE SHALL BE PROTECTED, WHETHER OR NOT FENCING IS SHOWN.

REFER TO CIVIL DRAWINGS SHEETS C SERIES FOR PAVING GRADE CUTS ADJACENT TO EXISTING TREES. COORDINATE WITH ARBORIST.

WRA Architects, Inc.
12377 Merit Drive
Suite 1800
Dallas, Texas 75251
214.750.0077 voice
214.750.5931 fax
www.wraarchitects.com

REGISTERED LANDSCAPE ARCHITECT — STATE OF TEXAS — 3165 — 06/11/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2240
DATE: 06/11/2025

Tree Preservation Details

L1.01

CCA LANDSCAPE ARCHITECTS
CCA Landscape Architects Inc.
1701 Whispering Pines Ln
Gunter, TX 75058
P: 214-739-9105

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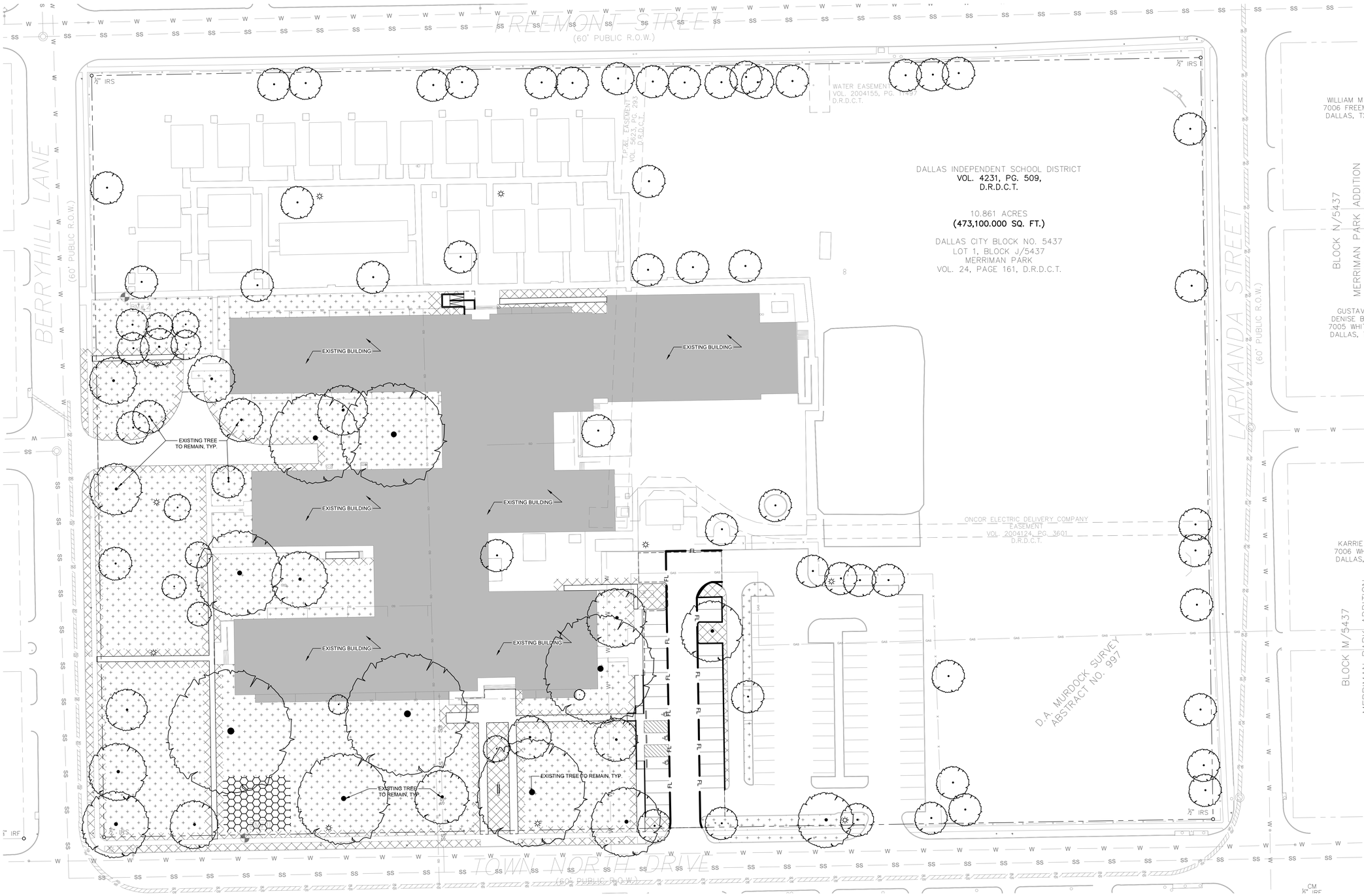

1 SOIL RESOURCE PLAN

1" = 30'-0"

0 15 30 60ft NORTH

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

NOTE: CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND GRASSING ALL DISTURBED AREAS CAUSED BY CONSTRUCTION INCLUDING AREAS FOR PARKING, STAGING, MATERIAL STORAGE, UTILITY WORK, AND OTHER CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.

LEGEND

- ZONE 1 - PROTECTED ZONE: SOIL AND VEGETATION NOT DISTURBED
- ZONE 2 - ZONE FOR SOIL AMENDMENT OR TREATMENT WITH MINIMAL DISTURBANCE
- ZONE 3 - ZONE OF CONSTRUCTION TRAFFIC AND STAGING
- ZONE 4 - ZONE FOR STOCKPILING TOPSOIL AND IMPORTED SOIL AMENDMENT
- EXISTING BUILDING

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REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
06/11/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2240
DATE: 06/11/2025

Soil Resource Plan

L2.00

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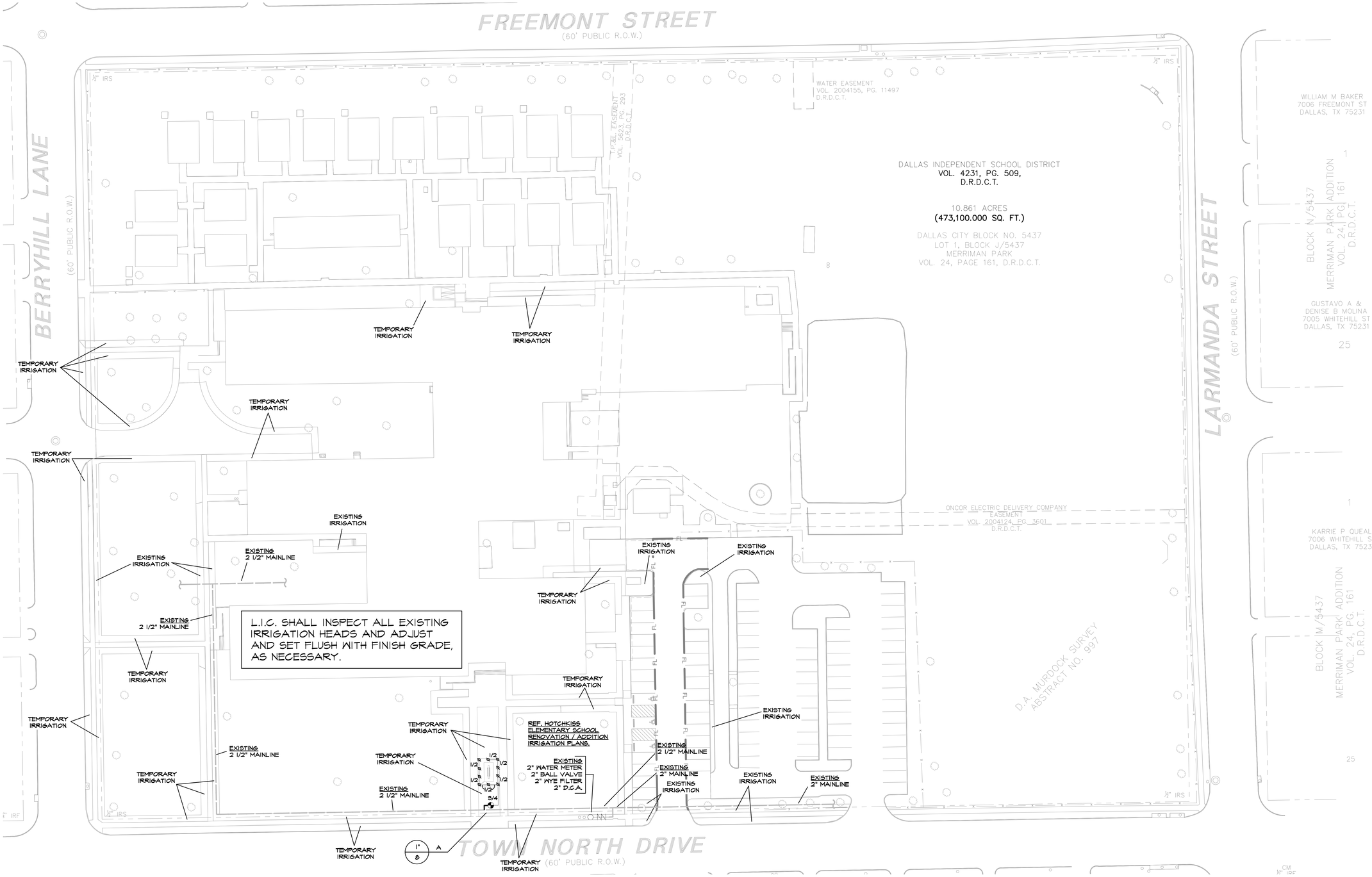

1 IRRIGATION PLAN
1" = 30'-0"

0 15 30 60ft NORTH

CONTROLLER STATION — VALVE SIZE
FLOW IN G.P.M.
APPROX. LINEAR FOOTAGE OF DRIP TUBE

COORDINATION WITH EXISTING TREES
NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.

TEMPORARY IRRIGATION
THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.

James Pole
IRRIGATION CONSULTANTS
IRRIGATION DESIGN, CONSULTING, AND LANDSCAPE WATER MANAGEMENT
TEXAS L.I.C. #658
P.O. BOX 1845
DENTON, TEXAS 76202
PHONE: 940.243.2364
jamesp@jamespoleirrigation.com

EPA WaterSense PARTNER

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

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STATE OF TEXAS — JAMES POLE — 658 — LICENSED IRRIGATOR — 06 / 11 / 2025

DISD L.L. Hotchkiss ES Renovations
6929 Town North Dr, Dallas, TX 75231

REVISIONS:
No. Date

JOB NO. 2240
DATE: 06/11/2025

Irrigation Plan

L3.00

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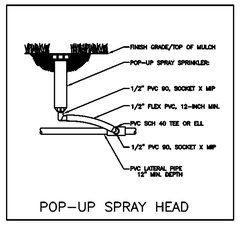
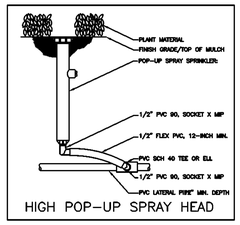
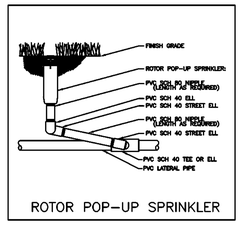


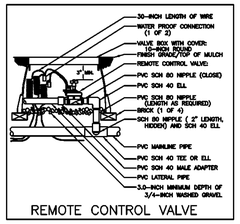
POP-UP SPRAY HEAD



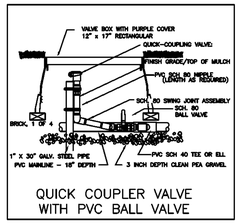
HIGH POP-UP SPRAY HEAD



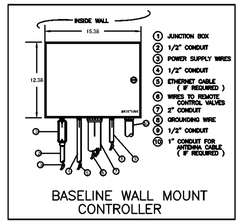
ROTOR POP-UP SPRINKLER



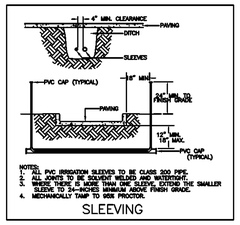
REMOTE CONTROL VALVE



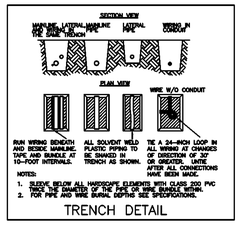
QUICK COUPLER VALVE WITH PVC BALL VALVE



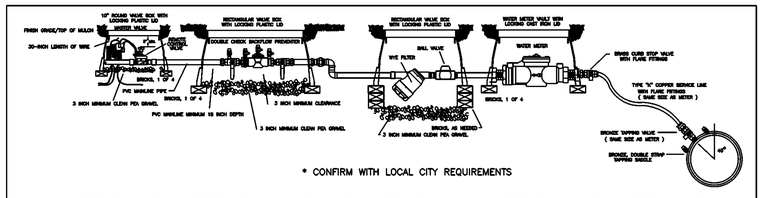
BASELINE WALL MOUNT CONTROLLER



SLEEVING



TRENCH DETAIL



* CONFIRM WITH LOCAL CITY REQUIREMENTS

WATER TAP WITH METER, BALL VALVE, WYE FILTER, BACKFLOW ASSEMBLY, AND MASTER VALVE

COORDINATION WITH EXISTING IRRIGATION

THE CONTRACTOR SHALL VISIT THE SITE BEFORE CONSTRUCTION BEGINS TO BECOME FAMILIAR WITH THE EXISTING SYSTEM LAYOUT. REROUTE, REPAIR, OR REINSTALL EXISTING EQUIPMENT, INCLUDING MAINLINE AND CONTROL WIRES, AS REQUIRED, TO MAINTAIN CONTINUED AUTOMATIC OPERATION OF ALL AREAS OUTSIDE THE LIMITS OF WORK. PROTECT EXISTING EQUIPMENT WITHIN THE LIMITS OF WORK, WHICH IS INTENDED TO REMAIN. CONTRACTOR SHALL KEEP EXISTING IRRIGATION (OUTSIDE OF THE SCOPE OF WORK) OPERABLE DURING CONSTRUCTION. L.I.C. SHALL RE-WORK EXISTING IRRIGATION TO INCLUDE AND ACCOUNT FOR NEW PLANTINGS. RE-WORKED IRRIGATION SHALL BE INSTALLED ACCORDING TO STATE SPECIFICATIONS.

*THE IRRIGATION CONTRACTOR SHALL CONFIRM THE FOLLOWING REQUIREMENTS FOR CONNECTION TO THE EXISTING MAINLINE PIPE AND CONTROL WIRE OF EXISTING CONTROLLER BEFORE WORK BEGINS:

1. EXISTING MAINLINE
   CONFIRM MAINLINE PIPE IS SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND.
2. EXISTING IRRIGATION METER
   CONFIRM COMBINED EXISTING AND NEW ZONES SHALL OPERATE WITHIN ALLOWABLE WATERING TIMES AND FLOW REQUIREMENTS PROVIDED BY EXISTING METER.
3. EXISTING CONTROLLER
   CONFIRM EXISTING CONTROLLER HAS AVAILABLE CAPACITY FOR NEW ZONES. UPGRADE CONTROLLER IF CAPACITY IS NOT AVAILABLE. IF EXISTING CONTROLLER IS A "TWO-WIRE" CONTROLLER, ALL NEW VALVES SHALL REQUIRE SINGLE-STATION DECODERS.

NEW SHRUB AND GROUND COVER BEDS SHALL RECEIVE NEW IRRIGATION AS INDICATED ON THE PLAN, INSTALLED AS DIRECTED.
DISTURBED TURF AREAS SHALL RECEIVE NEW IRRIGATION OR RENOVATIONS TO THE EXISTING SYSTEM, PROVIDING COMPLETE COVERAGE TO ALL AFFECTED AREAS.
L.I.C. SHALL LOCATE AND CONNECT TO THE EXISTING SYSTEM MAINLINE AND CONTROLLERS.
NEW OR RENOVATED TURF HEADS SHALL BE ZONED SEPARATELY FROM SHRUB IRRIGATION.
NEW IRRIGATION PIPES SHALL BE SIZE TO ALLOW A MAXIMUM FLOW VELOCITY OF FIVE FEET PER SECOND.
RENOVATIONS SHALL INCLUDE MEETING ALL CURRENT CODES, INCLUDING THE ADDITION OF A BALL VALVE AND WYE FILTER IF A D.C.A. BACKFLOW PREVENTER IS PRESENTLY USED. ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DEMONSTRATE PROPER, AUTOMATIC COVERAGE TO ALL AREAS WITH MINIMUM OPERATING PRESSURES OF 25 PSI AT SPRAY HEAD NOZZLES AND 35 PSI AT ROTARY HEAD NOZZLES.

REF. HOTCHKISS ELEMENTARY SCHOOL RENOVATION / ADDITION IRRIGATION PLANS.

INSTALLATION NOTES

1. COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. L.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
2. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.
3. CONFIRM MINIMUM STATIC WATER PRESSURE OF 65 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
4. LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND - TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
5. ALL PIPES AND WIRES LOCATED UNDER PAVEMENT SHALL BE INSTALLED WITHIN PVC SLEEVES. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
6. NEW VALVE WIRES SHALL BE ASSIGNED TO UNUSED STATIONS OF EXISTING CONTROLLER. IF EXISTING CONTROLLER IS NOT PRESENT OR IS UNUSABLE, L.I.C. SHALL PROVIDE / INSTALL ONE NEW BASELINE BL-8200X SERIES AUTOMATIC CONTROLLER WITH MINI-CLIK RAIN AND FREEZE SENSORS. LOCATE CONTROLLER AND SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT. G.C. SHALL EXTEND D.I.S.D. ETHERNET COMMUNICATION WIRE TO CONTROLLER LOCATION.
7. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY 3M COMPANY. LOCATE FIELD SPLICES IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION. TAPE WIRE BUNDLES EVERY 20 L.F.
8. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE. THE PROPOSED LOCATIONS OF ALL VALVE BOXES SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION. D.C.A., WITH UPSTREAM BALL VALVE AND WYE FILTER SHALL BE BOXED AND LOCATED ACCORDING TO LOCAL CODE. THE PROPOSED LOCATIONS OF ALL VALVE BOXES SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
9. USE MANUFACTURED SCH. 80 PVC, O-RING TYPE SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
10. ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #795 SOLVENT AND #P-70 PRIMER.
11. PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET).
12. CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
13. THE PROPOSED LOCATIONS OF ALL ABOVE- GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTERS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
14. ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES. (6" OR GREATER WHERE REQUIRED BY LOCAL CODE.) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE ARC AND DISTANCE NOZZLE CHANGES, AND THE ADDITION OF CHECK VALVES AT HEADS, WHERE NEEDED, TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR AND INSTALL CHECK VALVES FOR UP 10% OF THE TOTAL NUMBER OF HEADS, IF NEEDED, WITH NO ADDITIONAL CHARGE TO THE OWNER.

LEGEND / DISD EQUIPMENT

- HUNTER PROS-06-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-30H STREAM BUBBLER NOZZLES. (TWO PER TREE)
- HUNTER PROS-12-S1-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE
- HUNTER PSP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #1.5R BLACK NOZZLE UNLESS NOTED OTHERWISE
- HUNTER PSP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER PSP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- LASCO "VI01N" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE
- EXISTING D.C.A.
- EXISTING IRRIGATION WATER METER AND TAP
- EXISTING ELECTRIC "MASTER" VALVE
- EXISTING CONTROLLER. CONFIRM EXACT LOCATION IN MECHANICAL ROOM.

- CLASS 200 PVC MAINLINE PIPE
- EXISTING CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- ONE 2" CLASS 200 SLEEVE PIPE, UNLESS NOTED OTHERWISE
- TWO 4" CLASS 200 SLEEVE PIPES, UNLESS NOTED OTHERWISE

BORES SHALL BE REQUIRED AT ALL EXISTING PAVING CROSSINGS WHERE EXISTING SLEEVES ARE NOT PRESENT.

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

EQUIPMENT AND INSTALLATION SHALL MEET ALL DALLAS INDEPENDENT SCHOOL DISTRICT IRRIGATION REQUIREMENTS. L.I.C. SHALL COORDINATE WITH D.I.S.D. SPECS PRIOR TO CONSTRUCTION.

COORDINATION WITH EXISTING TREES

NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.

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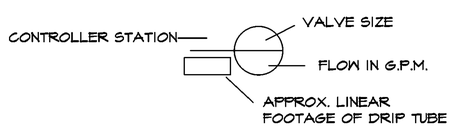

L.I.C. SHALL INSPECT ALL EXISTING IRRIGATION HEADS AND ADJUST AND SET FLUSH WITH FINISH GRADE, AS NECESSARY.

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STATE OF TEXAS — JAMES POLE — 658 — REGISTERED IRRIGATOR
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P: 214-739-9105

REVISIONS:

No.	Date

JOB NO. 2240
DATE: 06/11/2025

Irrigation Details

L3.01

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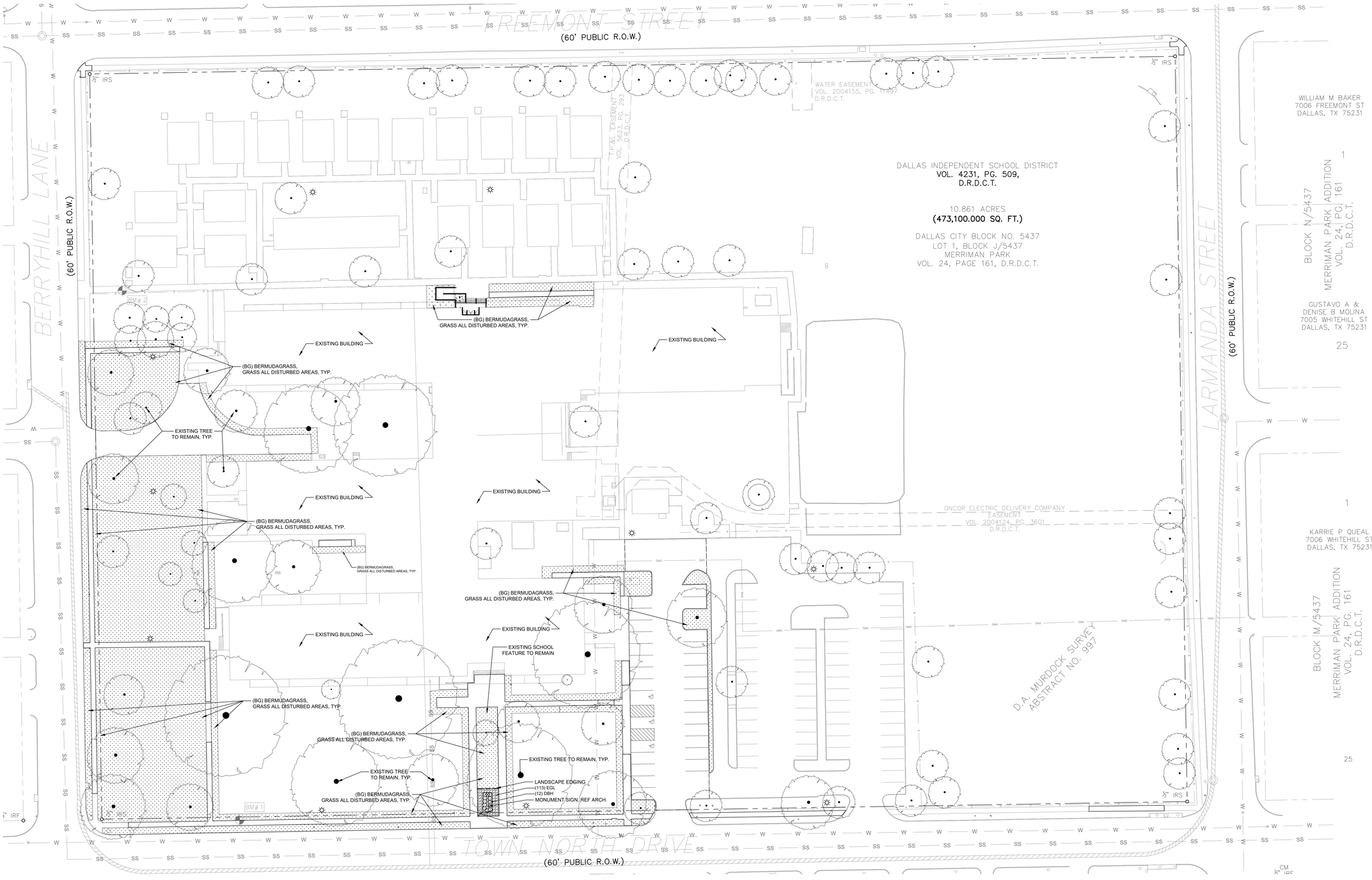

1 PLANTING PLAN

1" = 30'-0"

0 15 30 60ft

NORTH

LANDSCAPE PLANTING NOTES

1. FINAL GRADING SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO PLANTING OR PLANTING LAYOUT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
3. LANDSCAPE AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING IN ALL PLANT BEDS.
5. EXCESS SOIL FROM LANDSCAPE GRADING TO BE REMOVED AND DISPOSED OFF-SITE BY CONTRACTOR.
6. FINISH MULCH GRADES SHALL BE (1/2") BELOW ADJACENT PAVEMENT ELEVATION. IN AREAS WHERE A COMBINED (3") LAYER OF MULCH IS TO BE APPLIED, FINISH SOIL GRADES SHALL BE (3 1/2") BELOW ADJACENT PAVEMENT OR CURB.
7. PLANTING BEDS AT BUILDING FOUNDATION SHALL HAVE IRRIGATION MODIFIED TO PROVIDE 100% PLANT COVERAGE OF NEW SHRUBS.
8. PLANT SCHEDULE - REFER TO SHEET LS201.
9. PLANTING DETAILS - REFER TO SHEET LS201.

NOTE: DO NOT PARK, DRIVE, STAGE MATERIALS OR OTHERWISE PLACE ANYTHING UNDER EXISTING TREES TO REMAIN, INCLUDING THOSE NOT SHOWN ON THE PLANS. ALL EXISTING TREES ON SITE SHALL BE PROTECTED WITH THE UTMOST IMPORTANCE AND TREE CARE AS DIRECTED BY THE LANDSCAPE ARCHITECT.

NOTE: CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND GRASSING ALL DISTURBED AREAS CAUSED BY CONSTRUCTION INCLUDING AREAS FOR PARKING, STAGING, MATERIAL STORAGE, UTILITY WORK, AND OTHER CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.

CITY OF DALLAS LANDSCAPE REQUIREMENTS

- ARTICLE X: IS CURRENTLY NOT TRIGGERED AS NONE OF THE FOLLOWING IS OCCURRING:
  - THE NONPERMEABLE COVERAGE ON THE LOT OR TRACT IS INCREASED BY MORE THAN A NET OF 2,000 SF WITHIN A 24-MONTH PERIOD. (THIS PROVISIONS EXCLUDED THE BUILDING EXPANSION AREA)
  - INCREASES THE NUMBER OF STORIES OR INCREASES THE HEIGHT OF A BUILDING ON THE LOT
  - INCREASES BY MORE THAN 35 PERCENT OR 10,000 SF, WHICHEVER IS LESS, THE COMBINED FLOOR AREAS OF ALL BUILDINGS ON THE LOT WITHIN A 24-MONTH PERIOD.
- TREE MITIGATION: NO TREES LARGER THAN 8" IN CALIPER, ARE BEING REMOVED, REF L100
- IRRIGATION - CODE REQUIRED NEWLY PLANTED TREES AND SHRUBS WILL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

- IMPERVIOUS COVERAGE OF SITE
  - BUILDING / PAVING ADDITION:
    - NEW BUILDING ADDITIONS = 0 SF

THEREFORE, ARTICLE X IS NOT BEING TRIGGERED FOR THIS PROJECT.

PLANT AND MATERIAL LEGEND

	DBH	DWARF BURFORD HOLLY / ILEX CORNUTA `DWARF BURFORD`
	EGL	EVERGREEN GIANT LIRIOPE / LIRIOPE GIGANTEA
	BG	BERMUDA GRASS / CYNODON DACTYLON 'TIFFWAY 419'
		LANDSCAPE EDGING

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REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
03/17/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2240
DATE: 03/17/2025

Planting Plan

L4.00

CCA LANDSCAPE ARCHITECTS
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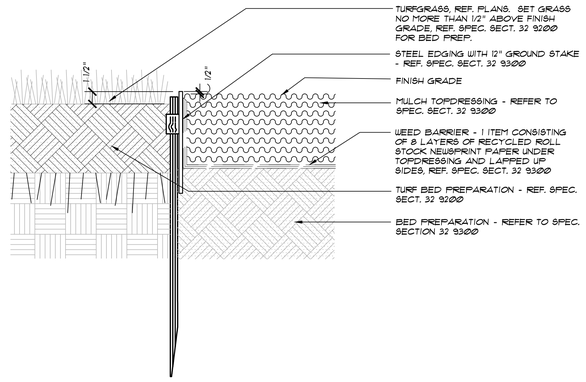
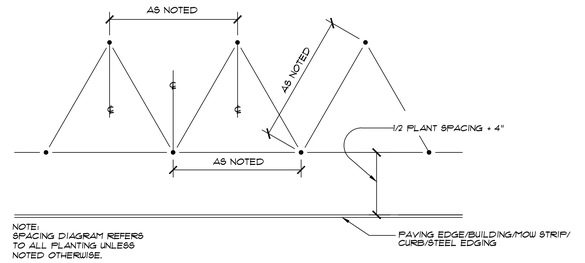
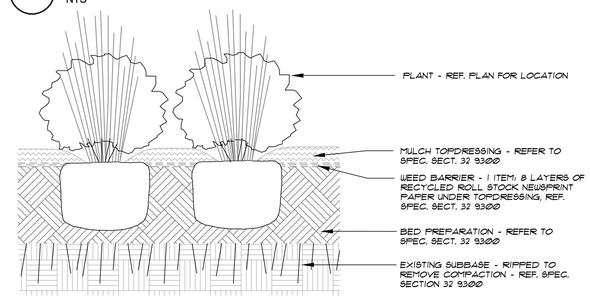


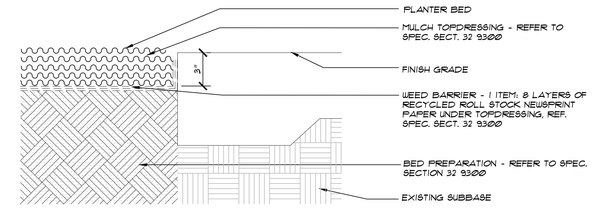
5 TURF AT EDGING AT PLANTER BED - SECT.
NTS



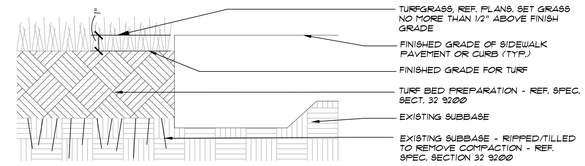
1 TRIANGULAR SPACING - PLAN
NTS



2 SHRUB/PERENNIAL/ORNAMENTAL AT BEDS - SECT.
NTS



3 PLANTER BED AT PAVEMENT - SECTION
NTS



4 TURF AT PAVEMENT - SECTION
NTS

PLANT AND MATERIAL SCHEDULE

PLANTING	CODE	COMMON NAME / BOTANICAL NAME	CONT	REMARKS		QTY
	DBH	DWARF BURFORD HOLLY / ILEX CORNUTA 'DWARF BURFORD'	5 GAL	FULL TO BASE, HEAVILY ROOTED	TRIANGULAR SPACING AT 36" O.C., 0.15 PLANTS / SF	12
	EGL	EVERGREEN GIANT LIRIOPE / LIRIOPE GIGANTEA	4" POT	FULL TO BASE, HEAVILY ROOTED	TRIANGULAR SPACING AT 18" O.C., 0.50 PLANTS / SF	113
	BG	BERMUDA GRASS / CYNODON DACTYLON 'TIFFWAY 419'	SOD	SOLID SOD, REF. SPEC 329200		+/- 41,500 SF
MATERIALS	ITEM		DEPTH	REMARKS		QTY
PLANTING BEDS FOR SHRUBS AND GROUNDCOVER: NOTE - FIELD VERITY ALL QUANTITIES, ALL BEDS TO BE FULL, REFER TO DETAILS AND SPECS						
	MULCH - TOPDRESSING PLANTING BEDS		3" DEPTH	RUSTIC CUT HARDWOOD OR APPROVED EQUIVALENT, COMPACTED DEPTH, REF. SPEC SECT 32 9300		FIELD VERIFY
	COMPOST - PLANTING BEDS		3" DEPTH	ORGANIC, WELL-DECOMPOSED, REF. SPEC SECT 329300		FIELD VERIFY
	WEED BARRIER - NEWSPRINT PLANTING BEDS		8 LAYERS	8 LAYERS OF NEWSPRINT AT PLANTING BEDS, REF. DETAILS AND SPEC SECT 32 9300		FIELD VERIFY
	EXPANDED SHALE - PLANTING BEDS		3" DEPTH	PLANTING BEDS, SUPPLIED BY SOIL BUILDING SYSTEMS OR APPROVED EQUAL,REF. SPEC SECT 32 9300		FIELD VERIFY
	ORGANIC BIOLOGICAL FERTILIZER - PLANTING B.			REF. SPEC SECT 329200 FOR MATERIAL AND APPLICATION RATE		FIELD VERIFY
– – – – – –	LANDSCAPE EDGING			BETWEEN PLANTING & TURF; STEEL EDGING, COLOR: BLACK		FIELD VERIFY
LAWN / TURF GRASS: NOTE - FIELD VERITY ALL QUANTITIES, ALL DISTURBED AREAS TO BE GRASSED, REFER TO DETAILS AND SPECS						
	TOPSOIL - LAWN / TURF GRASS		1 1/2" DEPTH	REF. DETAILS AND SPECS		FIELD VERIFY
	COMPOST - LAWN / TURF GRASS		1/2" DEPTH	ORGANIC, WELL-DECOMPOSED, REF. DETAILS AND SPECS SUPPLIED BY SOIL SYSTEMS OR APPROVED EQUAL, REF. SPEC 32 9300		FIELD VERIFY
	ORGANIC BIOLOGICAL FERTILIZER - LAWN			REF. SPEC SECT 329200 FOR MATERIAL AND APPLICATION RATE		FIELD VERIFY

NOTE - QUANTITIES ARE APPROXIMATE, FIELD VERIFY FOR ACCURACY. ALL PLANTING BEDS TO BE FULL AND PREPARED PER SPECIFICATIONS. ALL DISTURBED AREAS TO BE GRASSED AND SOIL PREPARED PER SPECIFICATIONS.
NOTE - PLANT OR MATERIAL SUBSTITUTIONS MUST BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
NOTE - SUBMITTALS TO BE PROVIDED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
NOTE - SAMPLES / SUBMITTALS TO BE PROVIDED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

LANDSCAPE PLANTING NOTES

1. FINAL GRADING SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO PLANTING OR PLANTING LAYOUT.
2. TREES ARE TO BE CENTERED IN EACH TREE PLANTER. CONTRACTOR SHALL STAKE OUT ALL TREE LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO ADJUST TREES TO EXACT LOCATION IN FIELD.
3. UNLESS DIMENSIONED ON THE PLAN, ALL PROPOSED TREE LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL STAKE OUT ALL INFORMAL TREE LOCATIONS IN THE FIELD USING COLORED FLAGS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN THE FIELD.
4. SHRUB BED LAYOUTS SHALL BE STAKED FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO BED PREPARATION. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS ALL SHRUBS AS NOTED IN THE DRAWINGS.
5. FINISH GRADE OF SHRUB BEDS SHALL BE THREE AND ONE HALF (3 ½ ") INCHES BELOW ADJACENT PAVEMENT OR CURB WHERE TWO (2") INCHES COMPOST AND TWO (2") INCHES MULCH IS TO BE APPLIED.
6. UNLESS OTHERWISE INDICATED, ALL SHRUB BEDS SHALL BE TOPDRESSED WITH A THREE (3") INCH MULCH LAYER. CONTRACTOR SHALL PROVIDE SAMPLES OF MULCH TO THE OWNER'S REPRESENTATIVE ALONG WITH SPECIFIC TEST DATA PER THE REQUIREMENTS OF THE SPECIFICATIONS.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
8. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION, AND MUST BE REPLACED WITH PLANT MATERIAL OF SIMILAR VARIETY, CHARACTER, AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
9. CONTRACTOR SHALL MEET OR EXCEED ALL MINIMUM SIZES LISTED IN PLANT SCHEDULE INCLUDING CONTAINER SIZE.
10. LANDSCAPE AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING IN ALL PLANT BEDS.
12. EXCESS SOIL FROM LANDSCAPE GRADING TO BE REMOVED AND DISPOSED OFF-SITE BY CONTRACTOR.
13. FINISH MULCH GRADES OF ALL TREE BASES SHALL BE (1/2") BELOW ADJACENT PAVEMENT ELEVATION. IN AREAS WHERE A COMBINED (3") LAYER OF MULCH IS TO BE APPLIED, FINISH SOIL GRADES SHALL BE (3 1/2") BELOW ADJACENT PAVEMENT OR CURB.
14. CONTRACTOR SHALL PATCH ALL AREAS OF DISTURBED LAWN WITH SOLID SOD COMMON BERMUDA GRASS. NEW SOD SHALL BE FLUSH TO EXISTING TURF.
15. REPLACE DEAD PLANTS WITHIN 7 DAYS AFTER DETERMINATION OF CONDITION.

IRRIGATION NOTE: ALL REQUIRED LANDSCAPE PLANTINGS WILL BE WATERED WITH A PERMANENT, WATER-EFFICIENT IRRIGATION SYSTEM.

TREE REQUIREMENTS

ROOT SYSTEM DEVELOPMENT:
1. ALL NAMED CULTIVARS WILL BE OWN ROOT CLONES, NO GRAFTER OR BUD-GRAFTED TREES WILL BE ACCEPTED.
2. 100% MECHANICALLY ROOT-PRUNED AT LEAST ONCE AND TRANSPLANTED A MINIMUM OF 3 TIMES DURING THE FIRST 3 YEARS OF THE TREE'S LIFE.
3. THE TREES WILL HAVE BEEN GROWN IN HEAVY CLAY SOIL AND IRRIGATED WITH DRIP IRRIGATION.
4. THE TRUNK FLARE MUST BE ABOVE GROUND AND VISIBLE AT NURSERY BEFORE HARVEST AND AFTER TRANSPLANTING INTO THE LANDSCAPE.
5. THE ROOT BALLS WILL HAVE BEEN HEELED IN FOR AT LEAST 30 DAYS AND HAVE A FLESH FLUSH OF NEW ROOT GROWTH INTO THE BURLAP.
6. NO GIRDLING ROOTS.

CANOPY DEVELOPMENT:
7. TREES WILL HAVE A STRONG CENTRAL LEADER TO TOP OF THE CANOPY. THE TIP OF THE LEADER ON THE MAIN TRUNK MUST BE INTACT AND TERMINAL BUD AT THE HIGHEST PART.
8. NO BRANCH CAN HAVE A DIAMETER GREATER THAN 2/3 THE TRUNK DIAMETER MEASURED DIRECTLY ABOVE THE BRANCH CROTCH. THE TREE WILL HAVE NO INCLUSIONS OR CO-DOMINANT BRANCHES.
9. THE TREE CROWN MUST BE STRUCTURALLY UNIFORM. BRANCHES WILL BE EVENLY DISTRIBUTED AROUND THE TRUNK. THE CROWN WILL BE FULL OF FOLIAGE EVENLY DISTRIBUTED AROUND THE TREE.

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REGISTERED LANDSCAPE ARCHITECT 3165 STATE OF TEXAS
03/17/2025

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:
No. Date

JOB NO. 2240
DATE: 03/17/2025

Planting Details

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Gunter, TX 75058
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GENERAL NOTES

SECTION 1 - GENERAL INFORMATION AND DESIGN CRITERIA

SECTION 1.1 - DOCUMENTS

1.1.1 Structural Drawings are not stand-alone documents. They are augmented by technical specifications and must be coordinated with Architectural, Civil and Mechanical/Electrical/Plumbing/HVAC documents.

1.1.2 General Notes and Typical Details apply generally throughout the project wherever conditions similar to those depicted exist and are not necessarily referenced specifically in the documents.

1.1.3 Structural documents are protected by U.S.A. Copyright Laws, and shall not be used for any purpose other than construction of the building described in the Architectural documents and at the geographic location shown. The structural design described in these documents is not valid for any other purpose, use or location.

1.1.4 The Geotechnical Report referenced herein is not part of the Structural Documents, however, a copy should be obtained for reference during installation of foundations and subgrade preparation.

COORDINATION

1.1.5 Contractor is responsible for coordinating Structural Documents with other trades and disciplines including; architectural, civil, mechanical, electrical, HVAC and fire protection. Some requirements are not known prior to issue and may change as layout and fabrication drawings are developed. Promptly report deviations and interferences with structural components for resolution by the Engineer.

1.1.6 Contractor shall verify dimensional location and depth of slab recesses and offsets with Architectural Drawings.

1.1.7 Contractor shall verify weights, location and details of structurally supported mechanical equipment prior to construction of the supporting structure. Report deviations from assumed conditions to the Engineer prior to fabricating materials.

1.1.8 Contractor shall verify the location, size and detail of roof openings and curbs for mechanical equipment prior to fabricating materials. Report deviations from assumed conditions to the Engineer before proceeding with work.

1.1.9 Contractor shall verify location and size of floor and roof penetrations and sleeves for mechanical and electrical components. Openings in beams, girders, columns and slabs are subject to prior approval of the Engineer.

1.1.10 Contractor shall verify dimensions, details, plumbness and squareness of existing structures meeting or tying into new construction.

1.1.11 Do not scale plans, details and sections for quantity, length or fit of materials.

REFERENCE ELEVATIONS

1.1.12 Heights of floor and roof decks and various framing components are given on the drawings relative to a reference elevation of 100'-0". This reference elevation is equivalent to the finish floor elevation of the ground floor of the existing building. Refer to civil for MSL elevation at existing finish floor.

TEMPORARY BRACING

1.1.13 Structural systems are designed for in-place conditions only. Contractor shall provide temporary bracing of structural components (including but not limited to beams, columns, walls, and structural frame) for conditions that will exist during construction and to meet all regulatory requirements for safety of workmen.

1.1.14 Temporary frame bracing shall remain until installation of permanent structural bracing elements, member connections and floor or roof diaphragms are complete.

SECTION 1.2 - CODES AND STANDARDS

1.2.1 Building Code of jurisdiction : 2021 International Building Code with City of Dallas amendments

1.2.2 Structural Concrete Code - American Concrete Institute (ACI) 318

1.2.3 Structural Steel Code - American Institute of Steel Construction (AISC) 360

SPECIAL INSPECTIONS

1.2.5 See Sheet S002 and Technical Specifications for items of structural construction that require special inspection in accordance with the building code and for other materials testing and inspection requirements.

SECTION 1.3 - DESIGN CRITERIA

1.3.1 Wind Loads

Ultimate Design Wind Speed	111	mph
Wind Exposure Classification	C	
Risk Category	III	

1.3.2 Mechanical Units - Assumed weights and locations of roof-supported mechanical equipment are indicated on Roof Framing Plan. Notify Engineer of deviations in weight, location or detail prior to fabrication of materials.

SECTION 2 - FOUNDATIONS AND RELATED EARTHWORK

GEOTECHNICAL REPORT

2.1 Design of foundations and structural components in contact with soil is based on the recommendations given in the following:

Report by	: Braun Intertec Corporation
Date of Report	: 03/04/2024
Report Number	: B2305889

2.2 Refer to the soil report for subsoil conditions that may be encountered in the installation of foundations, and other information relevant to foundations and site preparation.

STRAIGHT SHAFT PIERS -

2.3 Design Criteria:

Bearing Stratum	:	Dark Brown to light brown, stiff to hard, Fat Clay and Lean Clay
Bearing Elevation (for Bidding Purposes Only)	:	20ft below existing grade
Allowable End Bearing	:	9,000 psf
Upheaval Side Friction	:	2000 psf
Upheaval Design Depth	:	12ft

2.4 Pier depths indicated are for bidding purposes only. Actual pier depths may vary depending on depth to bearing stratum.

2.5 Steel dowels at tops of piers or footings shall extend 48 bar diameters above and below top of pier unless noted otherwise (noted as "LAP" on Typical Details).

2.6 Top of pier elevations given are relative to reference elevation 100'-0".

2.7 Overpour at tops of piers ("mushrooms") shall be removed to the required pier diameter.

SECTION 3 - STRUCTURAL CONCRETE

SECTION 3.1 - CONCRETE FORMS

3.1.1 Formed Voids - Provide retained void spaces between bottom of structural members and subgrade as follows:

Grade Beams	10 inches
Structural Slabs	10 inches

3.1.2 Trapezoidal shaped void forms shall not be used.

3.1.3 Grade Beams shall be formed both sides. Earth forming will not permitted.

3.1.4 Formwork tolerances shall be in accordance with ACI 347 and ACI 117.

SECTION 3.2 - STEEL REINFORCING

STEEL REINFORCING

3.2.1 All bars shall be deformed in accordance with ASTM A615. Reinforcing indicated to be welded shall conform to ASTM A706. Strength of all bars shall be Grade 60.

3.2.2 Welded wire fabric shall conform to ASTM A185, Grade 65 and shall be supplied in flat sheets (not rolls)

SPLICING OF REINFORCING BARS

3.2.3 Top bars in beams and slabs shall be spliced at midspan between supports, unless noted otherwise.

3.2.4 Bottom bars in beams and slabs shall be spliced at supports, unless noted otherwise.

LAPPED SPLICE LENGTHS

3.2.5 Lap reinforcing 30 bar diameters at splices unless noted or detailed otherwise.

3.2.6 Tension splice lengths shall be calculated in accordance with ACI 318. Use Class "B" splices unless noted otherwise

3.2.7 Welded wire fabric splice length (overlap), measured between outermost cross wires of each fabric sheet, shall be at least one spacing of cross wires plus 2 inches, but in no case less than 6 inches.

CONCRETE COVER TO REINFORCING

3.2.8 Clearance from face of concrete to face of reinforcing:

Piers	3"
Formed Grade Beams	1-1/2" top, 2" sides, 3" bottom
Exterior Slab-on-Void Cartons	1-1/2" top and bottom

PLACEMENT OF REINFORCING

3.2.9 Offsets in reinforcing bars shall be bent at a ratio of 1 (normal to bar axis) to 6 (parallel to bar axis).

3.2.10 Provide corner bars at intersections of beams and walls in accordance with Typical Details.

3.2.11 Provide dowels from grade beams or foundation equal in size and spacing to vertical bars in walls or pilasters and extend one splice length above and below joint line, unless noted otherwise.

3.2.12 Start stirrup spacing in beams 2 inches outside of face of supports.

3.2.13 Place first bar of slab reinforcing parallel to side 2 inches from a free edge or half of required bar spacing from face of edge beam.

SECTION 3.3 - CONCRETE MIX DESIGNS

3.3.1 Concrete Mix Schedule:

a) "HRC" refers to hardrock concrete having air dry unit weight of approximately 145 PCF.
b) Where w/c ratio is not indicated in the Concrete Mix Schedule, it shall be as necessary to meet strength requirements.
c) Where the w/c ratio is shown, it shall be adhered to regardless of strength requirements.
d) "Strength" is required compressive cylinder strength at an age of 28 days.
e) Portland Cement shall be Type I or II and conform to the requirements of ASTM C150.
f) Fly ash shall conform to ASTM C618 Type C or F and shall not exceed 25% of the total cementitious material by weight. Do not use fly ash in architecturally exposed concrete.
g) Calcium chloride shall not be used in concrete mixes.

Conc. Class	Strength psi	Agg. Type	Agg. Size	Slump Inches	Max w/c	Notes
A	3000	HRC	1-1/2"	5-7	---	
B	4000	HRC	1"	3-5	0.48	
C	4500	HRC	1"	3-5	0.45	

3.3.2 Mix Usage Schedule:

Description of Use	Concrete Class	Air Content
Drilled Piers	A	------
Grade Beams, footings	C	3-6%
Exterior Slab-on-Void Cartons	C	3-6%
Housekeeping pads	B	------

SECTION 3.4 - CONCRETE SLABS

3.3.3 Slabs on EPS Geofoam

Slab thickness: SEE PLAN
Slab reinforcing: SEE PLAN. #4 @ 12" OC EW UNO

Notes:
a) Reinforcing shall be centered in slab.
b) Geofoam shall meet the requirements of ASTM D6817. Physical properties shall meet the minimum type rating for EPS15.
c) Geofoam blocks shall be adhered to base slab and to one another with a non solvent based adhesive.

SECTION 3.8 - DRILLED IN ANCHORS

3.8.1 Drill holes with rotary impact hammer drills using carbide tipped bits or matched tolerance diamond core bits. Drill bits shall be of diameter as specified by the anchor manufacturer. All holes shall be drilled perpendicular to the concrete or masonry surface.

3.8.2 Embedded items: Identify position of reinforcing steel and other embedded items prior to drilling holes for anchors. Exercise care in drilling to avoid damaging existing reinforcing or embedded items. Notify the Engineer if reinforcing steel or other embedded items are encountered during drilling. Take precautions as necessary to avoid damaging electrical and telecommunications conduit, and gas lines.

3.8.3 Base Material Strength: Unless otherwise specified, do not drill holes in concrete or masonry until concrete, mortar, or grout has achieved full design strength.

TESTING

3.8.4 Continuous special inspection is required for all post installed anchors. Remove and replace mis-placed or malfunctioning anchors. Fill empty anchor holes and patch failed anchor locations with high-strength nonshrink, nonmetallic grout. Anchors that fail to meet proof load or installation torque requirements shall be regarded as malfunctioning.

EXPANSION, UNDERCUT, SCREW AND ADHESIVE ANCHORS

3.8.5 Concrete base material: provide anchors of size and type shown with ICC-ES compliance required

Expansion Anchors: Hilti Kwik Bolt TZ (ICC-ES ESR-1917)
Simpson Strong-Bolt 2 (ICC-ES ESR-3037)
Simpson Strong-Bolt (ICC-ES ESR-1771)
Powers Power-Stud+SD1 (ICC-ES ESR-2818)
Powers Power-Stud+ SD3, SD4, SD6 SS (ICC-ES ESR-3472)
Powers Power-Bolt+ (ICC-ES ESR-3260)

Adhesive Anchors: Hilti HIT-HY 200 Safe Set System (ICC-ES ESR-3187) for use with Hilti HIT-Z Rod, HAS-E Rod, & Hollow Drill Bit
Hilti HIT-RE 500-SD (ICC-ES ESR-2322)
Hilti HIT HY-200 (ICC-ES ESR 3187)
Simpson SET-XP (ICC-ES ESR-2508)

3.8.6 Grout filled CMU (Concrete Masonry Unit) base material: provide anchors of size and type shown with ICC-ES or IAPMO-UES compliance required

Adhesive Anchors: Hilti HIT-HY 70 (ICC-ES ESR-2682)
Simpson SET-XP (IAPMO-UES ER 265)
Simpson AT-XP (IAPMO-UES ER281)
Dewalt AC100+Gold(ICC-ES ESR-3200)
ITW RedHead Epcon A7 (ICC-ES ESR-5560)

INSTALLATION

3.8.7 Perform anchor installation in accordance with manufacturer's printed installation instructions (MMPII).

3.8.8 Protect threads from damage during anchor installation.

3.8.9 IBC 2021 requires ACI/CRSI certification for adhesive anchor installers (AAI) when installing adhesive anchors of horizontally or upwardly inclined conditions. Installers of adhesive anchors shall hold a current AAI certification as accredited by ACI/CSRI Anchor Manufacturer Installation Training is acceptable as a supplement to ACI\CRSI AAI certification. Installers shall submit their certifications to the inspector (testing lab) for each installation.

SECTION 5 - STRUCTURAL STEEL

SECTION 5.1 - STRUCTURAL FRAME

5.1.1 Structural Steel Properties:

High Strength Steel Use High Strength Steel for W Shapes	ASTM A992 Grade 50 and WT's, uno
Structural Steel (Normal Strength) Use for Angles, Channels, and Plates, uno	ASTM A36
Steel Pipes	ASTM A53, Grade B
Hollow Structural Sections (HSS)	ASTM A500, Grade C
Erection Bolts	ASTM A307
High Strength Bolts	ASTM A325N
Anchor Rods	ASTM F1554 Grade 55 w/ S1 welding supplement
High Strength Anchor Rods	ASTM F1554 Grade 105

5.1.2 Continuity Plates (Full Depth column stiffeners aligned with beam flanges, or Full Depth beam stiffeners aligned with column flanges) shall match the steel grade of the base member.

WELDING

5.1.3 Unless otherwise noted, angles, plates, rods, and miscellaneous framing shall be welded at contact joints and supports. Weld sizes shall conform to AWS D1.1 minimums, except where noted otherwise.

5.1.4 Where fillet weld sizes are not indicated on weld symbols, fillet size shall be 1/16th-inch smaller than thickness of thinner of materials being joined.

5.1.5 Complete penetration welds are indicated by notation "CJP" on weld symbols, partial penetration by "PJP".

STRUCTURAL BOLTS

5.1.6 Bolts indicated on details shall be 3/4" diameter, unless noted otherwise.

5.1.7 Bolts shall be tightened by the AISC "Snug Tight" method unless noted otherwise.

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS
2021 INTERNATIONAL BUILDING CODE

SCHEDULE OF STRUCTURAL SPECIAL INSPECTION SERVICES TABLE NOTES

1. **Registered Design Professional In Responsible Charge**
   a. This Statement of Special Inspections is submitted in accordance with Section 1704 of the 2021 International Building Code. It includes a *Schedule of Structural Special Inspection Services* applicable to the Project. If applicable, it includes *Requirements for Seismic Resistance and/or Requirements for Wind Resistance.*
2. **The Owner**
   a. Shall Employ one or more approved agencies to provide special inspections and test during construction on the types of work specified in Section 1705 and in accordance with the building code.
3. **The Special Inspector(s)**
   a. Shall provide written documentation to the Building Official demonstrating the competence and relevant experience or training of the Special Inspector(s) who will perform the Special Inspections and tests during construction.
   b. Shall keep records of Special Inspections and tests. The Special Inspector(s) shall submit reports of Special inspection and tests to the Building Official and to the Registered Design Professional in Responsible Charge. Reports shall indicate that work inspected or tested was or was not completed in conformance to approved Construction Documents.
   c. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work.
   d. Shall prepare a final report documenting required special inspections and tests, and corrections of any discrepancies noted in the inspections or tests, shall be submitted at a point in time agreed upon prior to the start of work by the Owner or the or the Owner's authorized agent to the Building Official.
4. **The Contractor(s)**
   a. Shall be solely responsible to ensure tests and inspections are performed. The construction or work for which Special Inspection or testing is required shall remain accessible and exposed for Special Inspection or testing purposes until completion of the required Special Inspections or test.
   b. The Special Inspection program does not relieve the Contractor of responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.
5. See specifications for additional testing requirements. Where conflicts occur, the most stringent requirement shall control.
6. LEGEND:
   Continuous: Inspections by the special inspector who is present when and where the work to be inspected is being performed.
   Periodic: Inspections by the special inspector who is intermittently present where the work to be inspected has been or is being performed. Periodic Inspections need not interrupt construction activities.
   Perform: Continuous inspections by the special inspector for specific task to be completed prior to acceptance of the designated item, and need be performed at that time on a continuous basis.
   Observe: Periodic inspections by the special inspector conducted on a daily basis as a minimum and need not interrupt construction activities.
   Document: The special inspector shall prepare reports indicating that the work has been performed in accordance with the contract documents.

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.2: STEEL CONSTRUCTION

Special Inspections and nondestructive testing of structural steel elements in buildings, structures and portions thereof shall be in accordance with the quality assurance inspection requirements of AISC 360.

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☒	1. Fabricator and Erector documents per AISC 360, chapter N, paragraph 3.2 for compliance with construction documents.	PERIODIC	AISC 360 - Chapter N3.2
☒	2. Verify Structural Steel identification markings and certified mill test	PERIODIC	AISC 360
☒	3. Verify embedment member diameter, grade, type, and embedment length	PERIODIC	AISC 360
☒	4. Verify member locations, braces, stiffeners, embedment and application of joint detail at each connection	PERIODIC	AISC 360
☒	5. Structural steel welding		
	a. Inspect task prior to welding: 1. Welding procedure specifications and consumable certificates	PERFORM	AISC 360 - Table N5.4-1, AWS D1.1 AWS D1.1/D1.1M:6.3, 6.2
	2. Material identification type and grade 3. Welder identification system 4. Fit-up groove welds joint preparation, alignment, root opening, root face, bevel condition of steel surfaces, tack weld quality and location, backing type and fit 5. Access holes configuration and finish 6. Fit-up of fillet welds alignment, gaps at root, condition of steel surfaces, tack weld quality and location.	OBSERVE	AWS D1.1/D1.1M:6.2 AWS D1.1/D1.1M:6.4 AWS D1.1/D1.1M:6.5.2, 5.22, 5.15, 5.18, 5.10 AWS D1.1/D1.1M:6.5.2, 5.17 AWS D1.1/D1.1M:5.22.1, 5.15, 5.18 6.2, 5.11
	b. Inspect task during welding: 1. Qualified welders 2. Control and handling of welding consumables 3. No welding over cracked tack welds 4. Environmental conditions, wind speed, precipitation, and temperature 5. Welding procedure specification followed 6. Welding techniques, interpass and final cleaning, each pass within profile limitations, and each pass meets quality requirements	OBSERVE	AISC 360 - Table N5.4-2, AWS D1.1 AWS D1.1/D1.1M:6.4 AWS D1.1/D1.1M:6.2, 5.3 AWS D1.1/D1.1M:5.18 AWS D1.1/D1.1M:5.12.1, 5.12.2 AWS D1.1/D1.1M:6.3.3, 6.5.2, 5.5, 5.21, 5.6, 5.7 AWS D1.1/D1.1M:6.5.2, 5.5.3, 5.24, 5.30.1
	c. Inspect task after welding: 1. Welds cleaned 2. Weld proportions (size, length, location) 3. Weld meet visual acceptance criteria 4. Arc strikes, 5. k-area 6. Backing removed and weld tabs removed 7. Repair activities 8. Document acceptance or rejection of weld	OBSERVE PERFORM	AISC 360 - Table N5.4-3, AWS D1.1 AWS D1.1/D1.1M:5.30.1 AWS D1.1/D1.1M:6.5.1 AWS D1.1/D1.1M:6.5.3, 6.1 AWS D1.1/D1.1M:5.29 AWS D1.1/D1.1M:5.10, 5.31 AWS D1.1/D1.1M:6.5.3, 5.26 AWS D1.1/D1.1M:6.5.4, 6.5.5
	d. Nondestructive testing (NDT) of welded joints 1. CJP welds (Testing shall be performed on 100% of shop and field complete-penetration welds) 2. Access holes (Flanges > 2") 3. Welded joints subject to fatigue	PERFORM	AISC 360 - Section N5b
☒	6. Structural Steel Bolting		
	a. Inspection task prior to bolting: 1. Manufacturer's certification for fastener materials	PERFORM	AISC 360 - Table N5.6-1, RCSC RCSC 2.1, 9.1
	2. Fasteners mark in accordance with ASTM requirements 3. Proper fasteners selected (grade, type, bolt length) 4. Proper bolting procedure 5. Connecting elements including, faying surface and hole preparation 6. Pre-installation verification testing by installation personnel 7. Proper storage provided for bolts, nuts, washers, and other fastener components	OBSERVE	RCSC C-2.1, 9.1 RCSC 2.3.2, 2.7.2, 9.1 RCSC 4, 8 RCSC 3, 9.3 RCSC 7, 9.2 RCSC 2.2, 8, 9.1
	b. Inspection task during bolting: 1. Fastener assemblies, of suitable condition, placed in all holes and washers are positioned as required 2. Joint brought to the snug-tight condition prior to pretensioning operation 3. Fastener not turned by the wrench prevented from rotating 4. Fasteners are pretensioned in accordance with the RCSC Specification progressing systematically from the most rigid point towards the free edges.	OBSERVE	AISC 360 - Table N5.6-2, RCSC RCSC 8.1, 9.1 RCSC 8.1, 9.1 RCSC 8.2, 9.2 RCSC 8.2, 9.2
	c. Inspection task after bolting: 1. Document acceptance or rejection of bolted connections	PERFORM	AISC 360 - Table N5.6-3
	7. Composite Steel Construction		
☐	a. Verify that application of all steel headed studs	PERFORM	AWS D1.1/D1.1M 7.8
☐	b. For steel deck elements, perform test and additional Special Inspections in accordance with Steel Deck Construction		
☒	c. For concrete elements, perform test and additional Special Inspections in accordance with Concrete Construction		

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.3: CONCRETE CONSTRUCTION

CHECK IF REQD	MINIMUM VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
☒	1. Inspect reinforcement, including prestressing tendons, and verify placement.	PERIODIC	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3
☒	2. Reinforcing bar welding:		AWS D1.4, ACI 318: 26.6.4
	a. Verify weldability of reinforcing bars other than ASTM A706.	PERIODIC	
	b. Inspect single-pass fillet welds, maximum 5/16", and	PERIODIC	
	c. Inspect all other welds.	CONTINUOUS	
☒	3. Inspect anchors and anchor reinforcement cast in concrete	PERIODIC	ACI 318: 17.8.2, 26.13.3.3
☒	4. Inspect anchors post-installed in hardened concrete members.		
	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	CONTINUOUS	ACI 318: 17.8.2.4
	b. Mechanical anchors and adhesive anchors not defined in 4.a.	CONTINUOUS	ACI 318: 17.8.2
☒	5. Verifying use of required design mix for intended location.	CONTINUOUS	ACI 318: Ch. 19, 26.4.3, 26.4.4
☒	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	CONTINUOUS	ACI 318: 26.5, 26.12 ASTM C172, ASTM C31
☒	7. Inspect concrete and shotcrete placement for proper application techniques.	CONTINUOUS	ACI 318: 26.5
☒	8. Verify maintenance of specified curing temperature and techniques.	PERIODIC	ACI 318: 26.5.3, 26.5.5
☐	9. Inspect prestressed concrete for:		ACI 318: 26.10
	a. Application of prestressing forces; and	CONTINUOUS	
	b. Grouting of bonded prestressing tendons.	CONTINUOUS	
☐	10. Inspect erection and connection of precast concrete members.	PERIODIC	ACI 318: 26.9, 26.13.3.3
☐	11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field for:		ACI 318: 26.13.1.3
	a. Installation of the embedded parts	CONTINUOUS	
	b. Completion of the continuity of reinforcement across joints	CONTINUOUS	ACI 550.5
	c. Completion of connections in the field	CONTINUOUS	
☐	12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5	PERIODIC	ACI 318: 26.13.1.3
☐	13. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	PERIODIC	ACI 318: 26.11.2
☒	14. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	PERIODIC	ACI 318: 26.11.1.2(b)
☐	15. Placement of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	CONTINUOUS	ACI 318: 26.13.3.2
☐	16. Welding of reinforcement for special moment frames, boundary elements of special structural walls, and coupling beams.	CONTINUOUS	ACI 318: 26.13.3.2

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.8: CAST-IN-PLACE DEEP FOUNDATIONS

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☒	1. Inspect drilling operations and maintain complete and accurate records for each element.	CONTINUOUS	IBC Table 1705.8
☒	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end-bearing strata capacity. Record concrete or grout volumes.	CONTINUOUS	IBC Table 1705.8
☒	3. For concrete elements, perform tests and additional Special Inspection in accordance with Concrete Construction.		IBC Table 1705.3

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.6: SOILS

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☒	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	PERIODIC	IBC Table 1705.6
☒	2. Verify excavations are extended to proper depth and have reached proper material.	PERIODIC	IBC Table 1705.6
☒	3. Perform classification and testing of compacted fill materials.	PERIODIC	IBC Table 1705.6
☒	4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities, and lift thickness during placement and compaction of compacted fill.	CONTINUOUS	IBC Table 1705.6
☒	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	PERIODIC	IBC Table 1705.6

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DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO.	2239
DATE:	06/11/2025

GENERAL NOTES AND STATEMENT OF SPECIAL INSPECTION

S001

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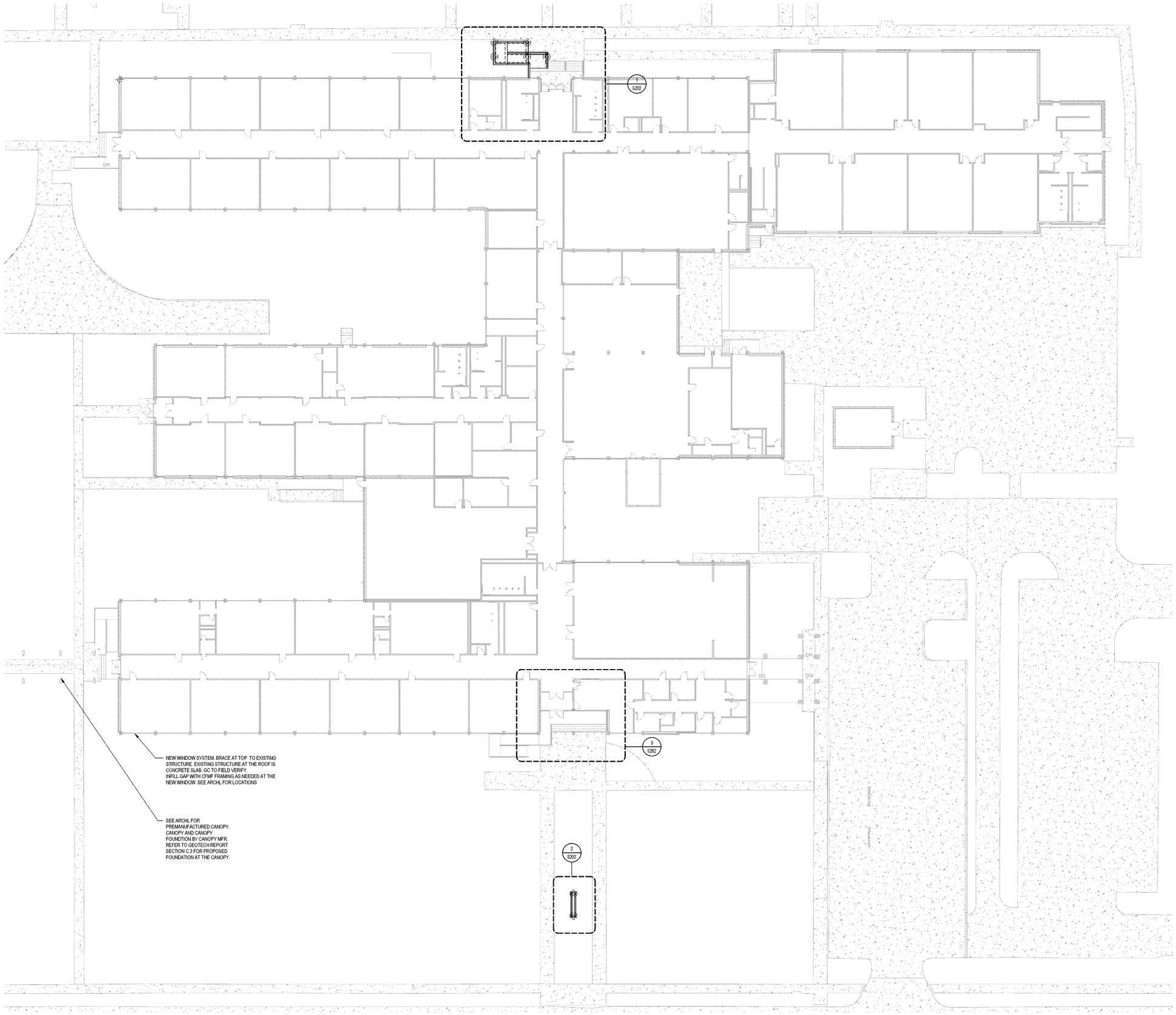

1 EXISTING LEVEL 1 - OVERALL FRAMING PLAN

1/16" = 1'-0"

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REVISIONS:

No.	Date

JOB NO.	2239
DATE:	06/11/2025

EXISTING FLOOR PLAN LEVEL 1 - OVERALL

S201

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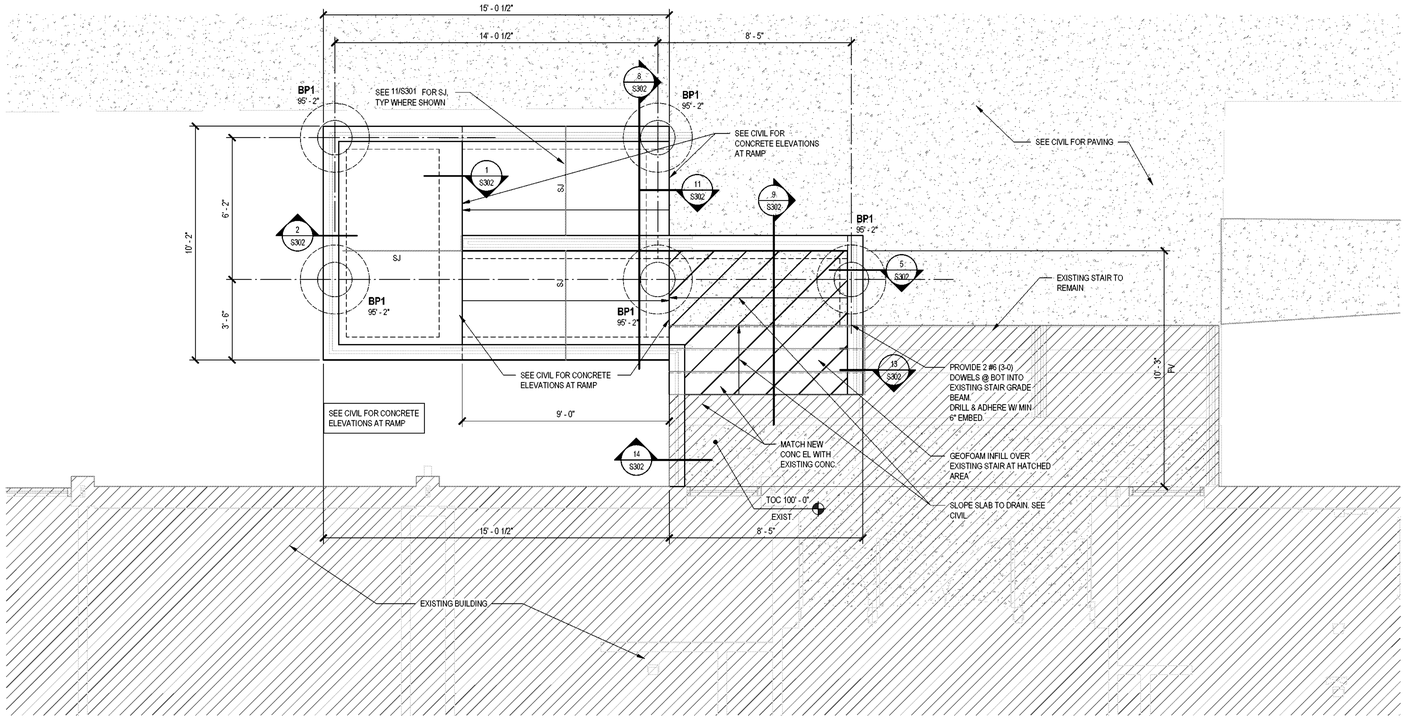
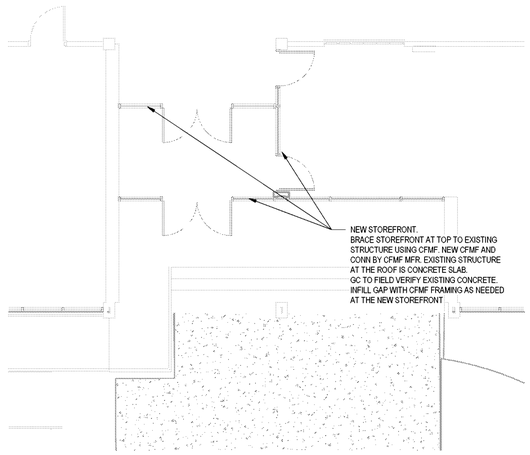


1 LEVEL 1 - ENTRY RAMP AND VESTIBULE

3/8" = 1'-0"

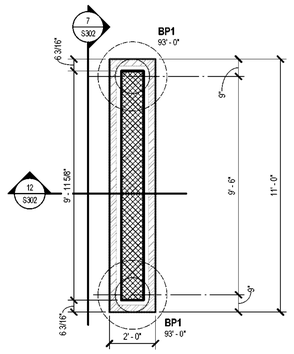
NORTH



3 LEVEL 1 - SOUTH ENTRY VESTIBULE

3/16" = 1'-0"

NORTH



2 LEVEL 1 - MARQUEE SIGN

3/8" = 1'-0"

NORTH

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FLOOR PLAN LEVEL 1 - ENLARGED PLANS

S202

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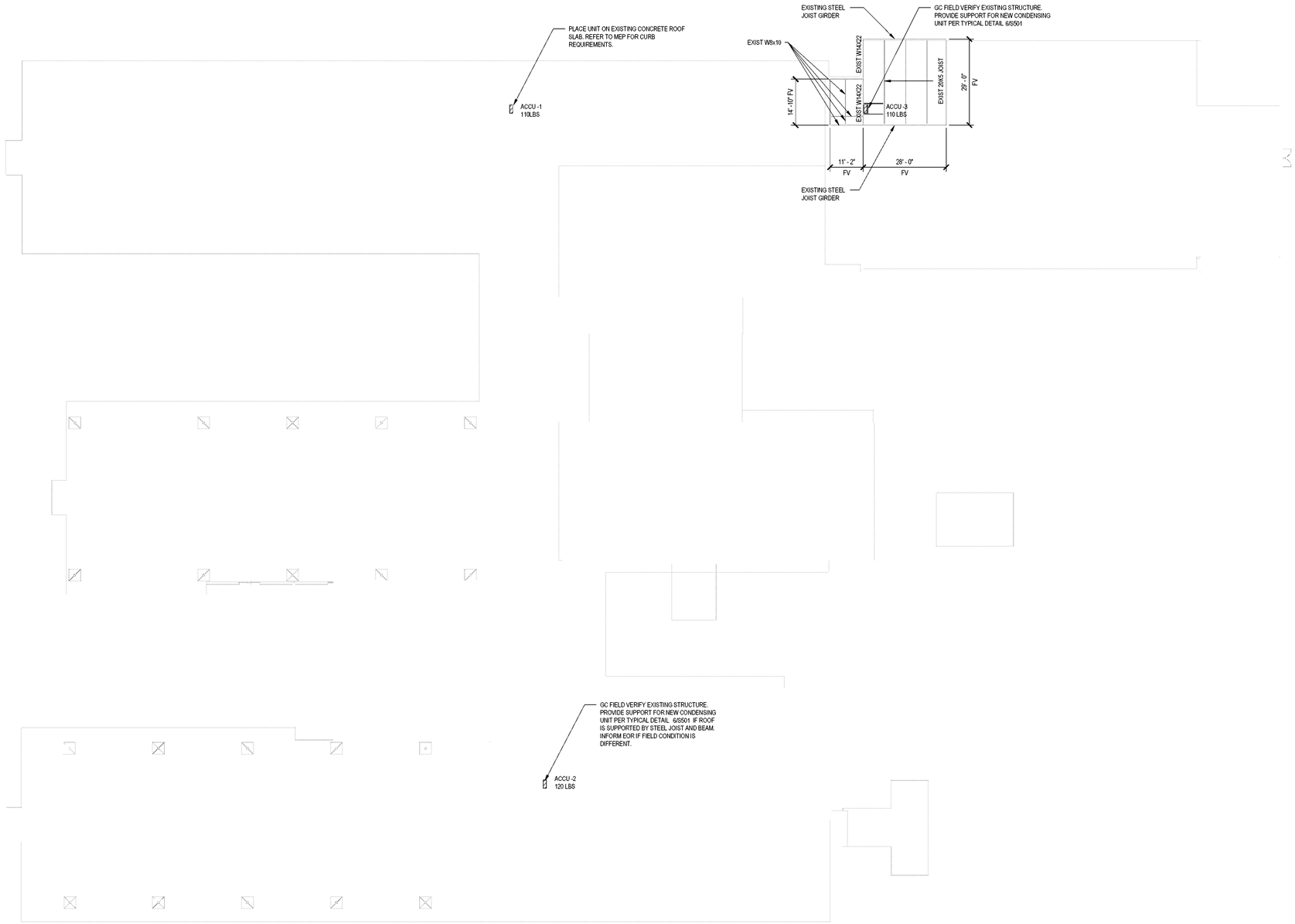

1 EXISTING LEVEL 2 - OVERALL FRAMING PLAN

1/16" = 1'-0"

NORTH

EXISTING ROOF PLAN NOTES

1. CONTRACTOR VERIFY EXISTING ROOF STRUCTURE, TYPICAL. JOIST REINFORCING DESIGNS ASSUME THAT JOISTS THAT SUPPORT NEW MECHANICAL UNITS DO NOT ALSO SUPPORT EXISTING MECHANICAL UNITS. NOTIFY ENGINEER IF EXISTING CONDITIONS DIFFER FROM CONDITIONS SHOWN ON PLAN PRIOR TO SUBMITTING STEEL SHOP DRAWINGS.
2. DIMENSIONS AND MEMBER SIZES WERE OBTAINED FROM EXISTING BUILDING DRAWINGS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND MEMBER SIZES.
3. SEE MECH'L. DRAWINGS FOR LOCATIONS AND ORIENTATIONS OF NEW UNITS.
4. SEE SHEET S501 FOR TYPICAL STEEL DETAILS.
5. SEE 9 & 10/S501 TO INFILL EXISTING ROOF OPENING. REFER TO MEP FOR INFILL LOCATIONS.
6. DO NOT ENLARGE EXISTING ROOF OPENINGS WITHOUT PRIOR REVIEW AND APPROVAL OF THE ENGINEER.

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06/11/2025

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No.	Date

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EXISTING FLOOR PLAN ROOF - OVERALL

S210

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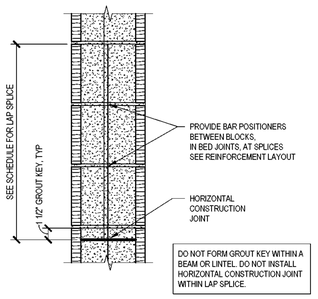
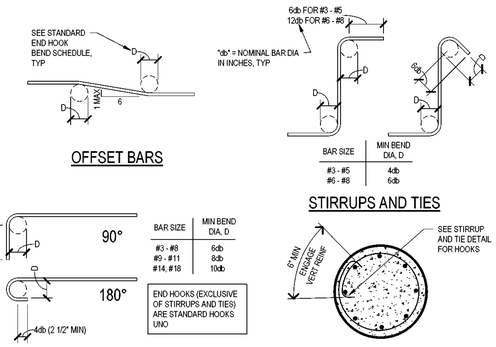


13 MASONRY CONSTRUCTION JOINT TYPICAL DETAIL

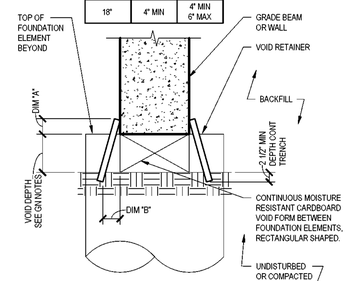
NO SCALE



9 REBAR BENDS AND HOOKS TYPICAL DETAIL

NO SCALE TD03201

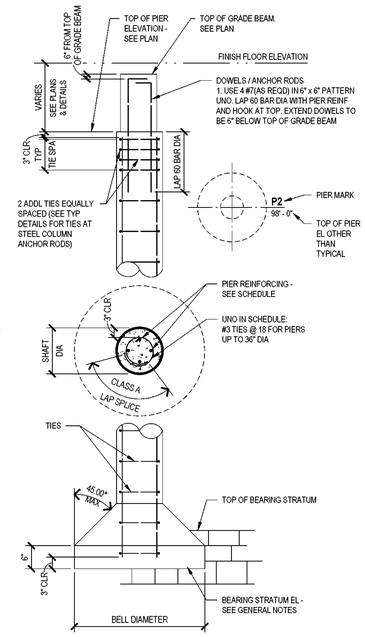
VOID DEPTH	DIM "A"	DIM "B"
6" - 8"	3" MIN	3" MIN 5" MAX
10" - 12"	4" MIN	4" MIN 6" MAX
18"	4" MIN	4" MIN 6" MAX



5 VOID BOX - BM OR WALL TYPICAL DETAIL

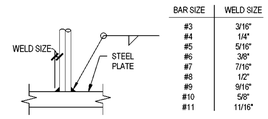
NO SCALE

UNDERREAMED DRILLED PIER SCHEDULE			
PIER MARK	SHAFT DIAMETER	BELL DIAMETER	VERTICAL REINF
BP1	18"	36"	6 #7



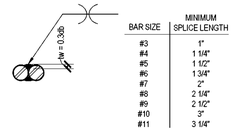
1 BELLED / UNDERREAMED PIER TYPICAL DETAIL

NO SCALE TD02131



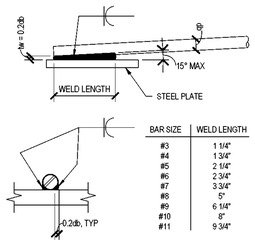
BAR SIZE	WELD SIZE
#3	3/16"
#4	1/4"
#5	5/16"
#6	3/8"
#7	7/16"
#8	1/2"
#9	9/16"
#10	5/8"
#11	11/16"

BAR PERPENDICULAR TO PLATE



BAR SIZE	MINIMUM SPLICE LENGTH
#3	1"
#4	1 1/4"
#5	1 1/2"
#6	1 3/4"
#7	2"
#8	2 1/4"
#9	2 1/2"
#10	3"
#11	3 1/4"

BAR SPLICE

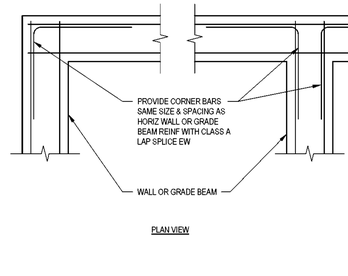


BAR SIZE	WELD LENGTH
#3	1 1/4"
#4	1 3/4"
#5	2 1/4"
#6	2 3/4"
#7	3 3/4"
#8	5"
#9	6 1/4"
#10	8"
#11	9 3/4"

BAR PARALLEL TO PLATE

10 REBAR WELDING TYPICAL DETAIL

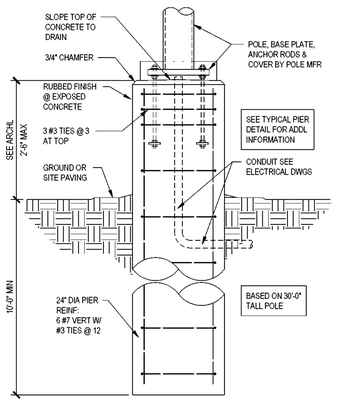
NO SCALE TD03202



PLAN VIEW

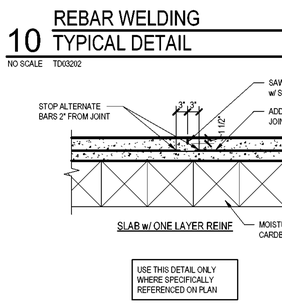
6 CORNER BARS TYPICAL DETAIL

NO SCALE



2 SITE LIGHT POLE FOUNDATION TYPICAL DETAIL

NO SCALE TD02111



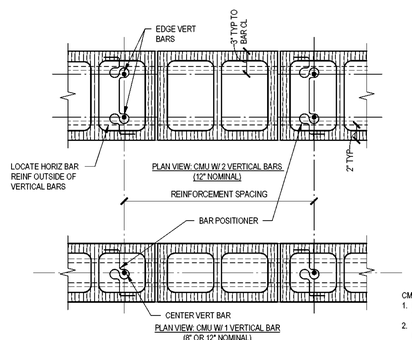
11 SAWJOINT @ SLAB ON VOID CARTONS TYPICAL DETAIL

NO SCALE

ELEVATION

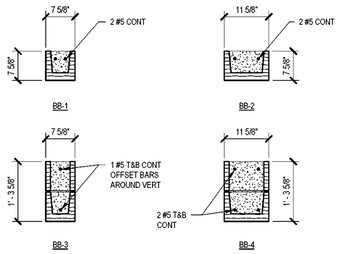
7 GRADE BEAM CONSTR JOINT TYPICAL DETAIL

NO SCALE



CMU REINFORCEMENT LAYOUT, BOND BEAMS, AND SPLICE SCHED TYPICAL DETAIL

NO SCALE TD04100

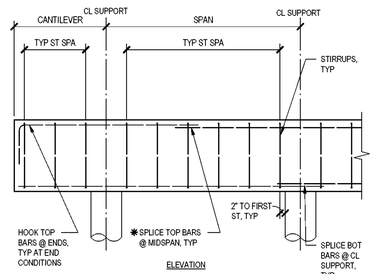


HORIZONTAL CMU BOND BEAM REINFORCEMENT

CMU REINFORCEMENT LAYOUT NOTES:
1. LOCATE VERTICAL OR HORIZONTAL REINFORCEMENT AT LEAST 1/2" FROM CMU SHELL TO ALLOW FOR PROPER GROUT CONSOLIDATION.
2. THESE BOND BEAMS APPLY TO WALLS WHERE BOND BEAMS ARE NOT SPECIFICALLY REFERENCED. SEE SECTIONS & DETAILS FOR SPECIAL BOND BEAMS THAT ARE REQUIRED.
3. CONSTRUCT BOTTOM COURSE OF A BOND BEAM USING SOLID BOTTOM, TROUGH-STYLE MASONRY UNITS, UNO.

MASONRY SPLICE SCHEDULE - GRADE 60				
f'm	1900 - 2000 PSI		2500 PSI	
BAR SIZE	HORIZ OR EDGE VERT	CENTER VERT	HORIZ OR EDGE VERT	CENTER VERT
#4	24"	16"	20"	14"
#5	36"	24"	32"	22"
#6	54"	45"	54"	40"
#7	64"	62"	64"	54"
#8	72"	72"	72"	72"

NOTES:
1. SPLICE LENGTHS GIVEN ARE FOR GRADE 60 REINFORCING BARS.
2. USE LONGEST LENGTH WHEN SPLICING BARS OF DIFFERENT SIZE.
3. INCREASE SPLICE LENGTH OF EPOXY-COATED REINFORCEMENT 50% OVER TABLE VALUES, UP TO A MAXIMUM OF 96 BAR DIAMETERS
4. SEE PLAN VIEWS FOR DEFINITION OF HORIZ, EDGE VERT, AND CENTER VERT BARS.



ELEVATION

✱ TOP BARS CONT AT CANTILEVERS, CANTILEVER BACKSPANS AND SPANS LESS THAN 10' - 0".

8 GRADE BEAM REINF TYPICAL DETAIL

NO SCALE

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06/11/2025

DISD L.L. Hotchkiss ES Renovations

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REVISIONS:

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TYPICAL CONCRETE DETAILS

S301

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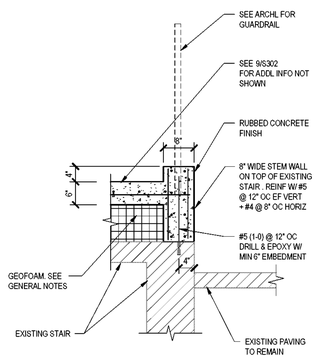
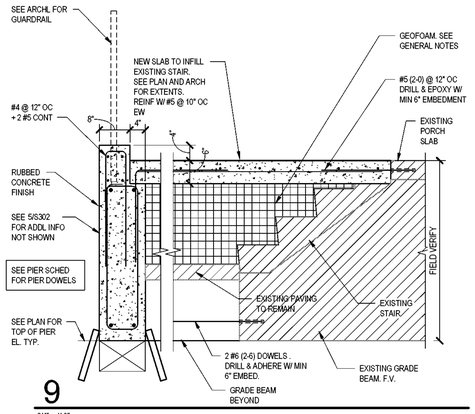


13

3/4" = 1'-0"



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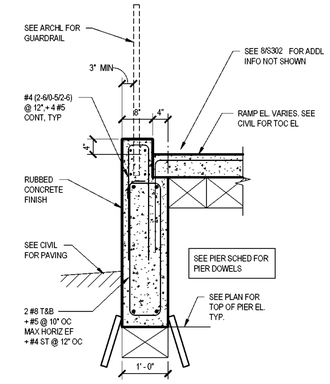

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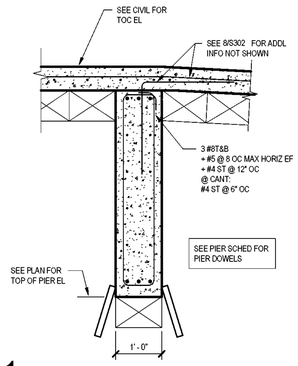

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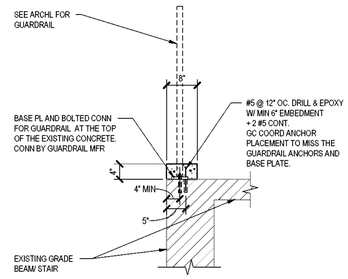

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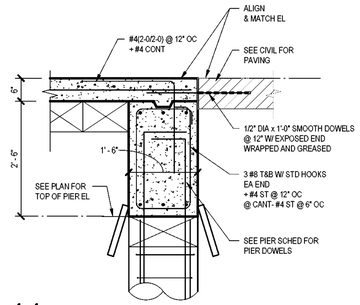
3/4" = 1'-0"



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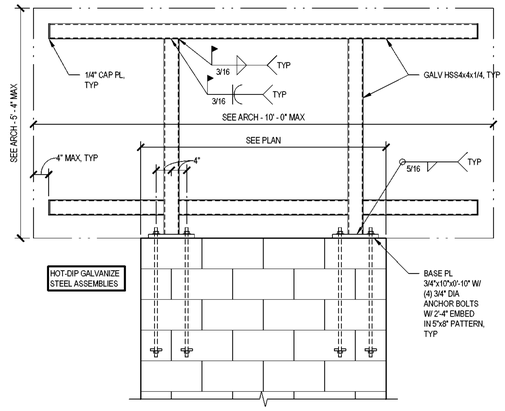
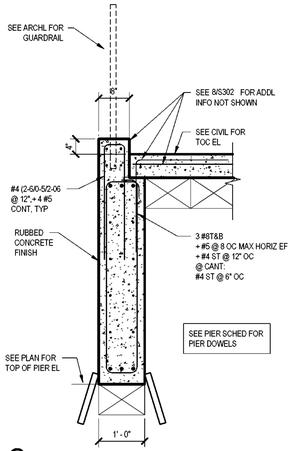
3/4" = 1'-0"



7 MARQUEE SIGN ELEVATION

3/4" = 1'-0"



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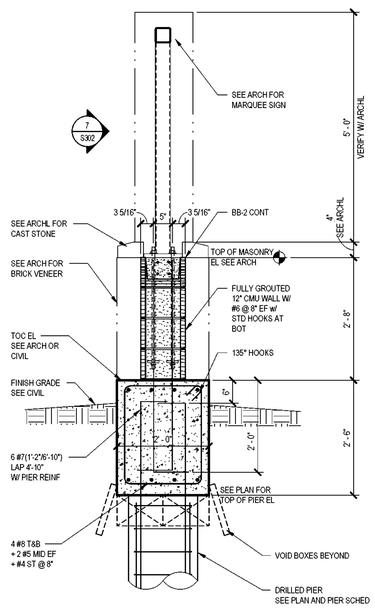
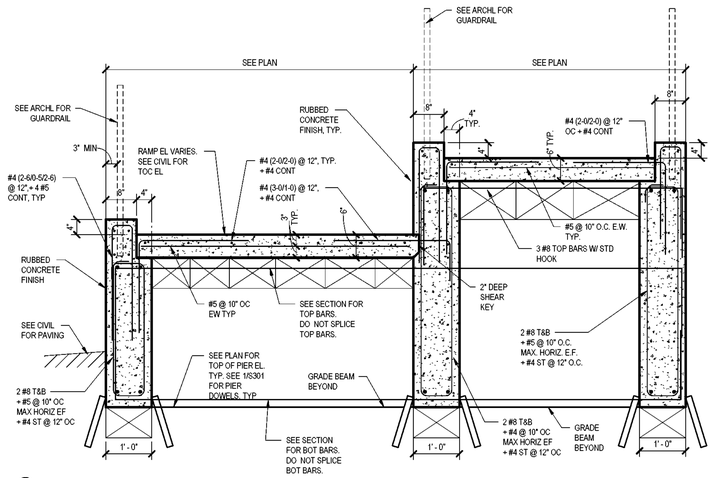
3/4" = 1'-0"



12 MARQUEE SIGN SECTION

3/4" = 1'-0"



8

3/4" = 1'-0"

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CONCRETE DETAILS

S302

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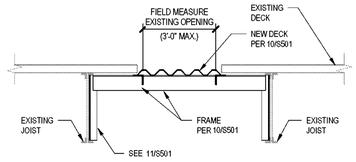
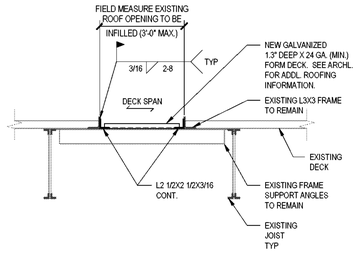


INFILL OF EXISTING UNFRAMED ROOF OPENING (3'-0" x 3'-0" MAX)

9 TYPICAL DETAIL

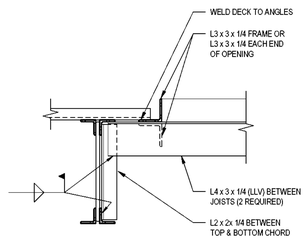
NO SCALE



INFILL OF EXISTING FRAMED ROOF OPENING (3'-0" x 3'-0" MAX)

10 TYPICAL DETAIL

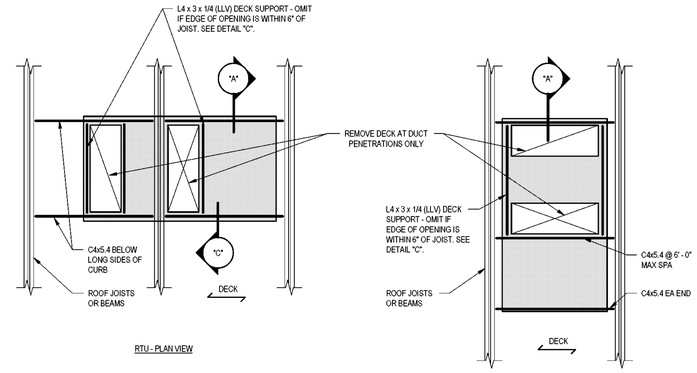
NO SCALE

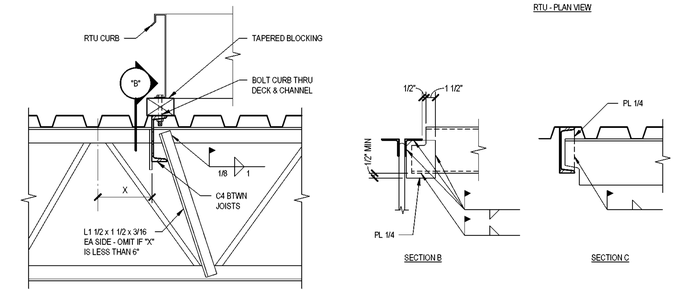


MISCELLANEOUS ROOF OPENING

11 TYPICAL DETAIL

NO SCALE





MECHANICAL UNIT SUPPORT - EXISTING ROOF

6 TYPICAL DETAIL

NO SCALE

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TYPICAL STEEL DETAILS

S501

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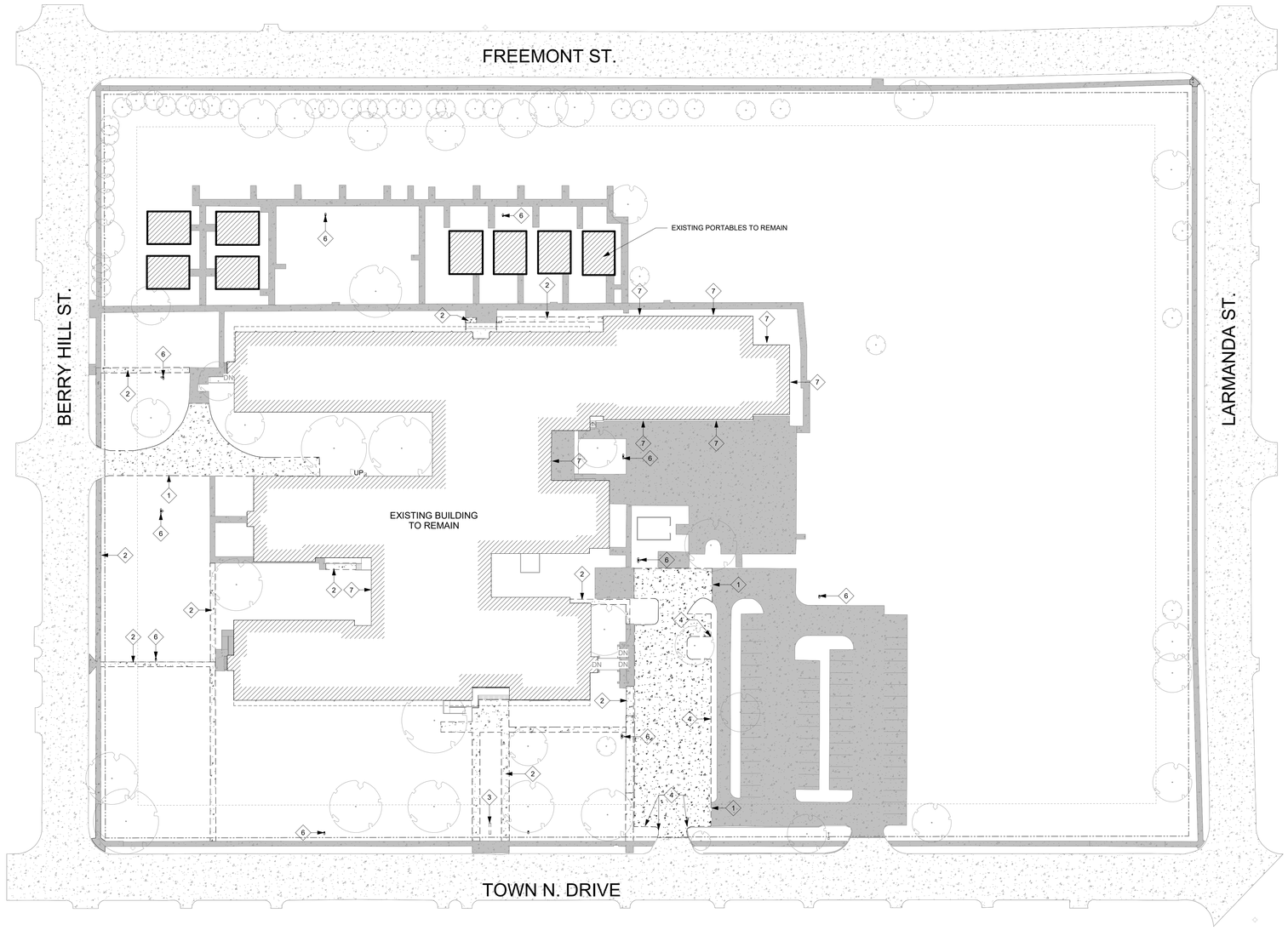

1 Overall Site Demo Plan
1" = 40'-0"

GENERAL SITE DEMOLITION NOTES

A. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED.

B. SAW CUT AND REMOVE ALL EXISTING DRIVE APPROACHES THAT ARE WITHIN THE LIMITS OF DEMOLITION 2 FEET FROM THE BACK OF CURB.

C. COORDINATE WITH TXU, SOUTHWESTERN BELL TELEPHONE AND THE LOCAL CABLE COMPANY PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.

D. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN COORDINATION WITH THEIR RESPECTIVE UTILITY COMPANIES AND PRIOR TO THE DEMOLITION OF EXISTING UTILITIES.

E. CONTRACTOR TO PLUG ALL EXPOSED ENDS AND ABANDONED UTILITIES.

F. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.

G. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS AND DEMOLITION MATERIALS.

H. ALL TREES ON THE PROPERTY, SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS BY FENCING AS SHOWN; THE TREE PROTECTION SHALL BE PLACED BEFORE ANY EXCAVATING OR GRADING IS BEGUN AND MAINTAINED IN REPAIR FOR THE DURATION OF THE CONSTRUCTION WORK UNLESS OTHERWISE DIRECTED. NO MATERIAL SHALL BE STORED OR CONSTRUCTION OPERATION SHALL BE CARRIED ON WITHIN A DISTANCE AS SHOWN OF ANY TREE TO BE SAVED OR WITHIN THE TREE PROTECTION FENCING. TREE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED.

J. ANY DAMAGE DONE TO EXISTING PROTECTED TREES, CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION. ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF, CLEANING INSIDE THE EXPOSED OR DAMAGED AREA. PAINT THE CUT SURFACES WITH AN APPROVED TREE PAINT AND PLACE TOPSOIL AND MULCH OVER THE EXPOSED ROOT AREA IMMEDIATELY.

K. IN CLOSE QUARTERS, A SINGLE TREE SHALL BE PROTECTED BY STRAPPING (NOT NAILING) A CONTINUOUS SHIELD OF WOOD TWO (2") INCHES X FOUR (4") INCHES X FIVE (5') FEET AROUND THE TRUNK.

L. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED.

M. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE.

N. AREAS EXCAVATED FOR FOUNDATION OR UNDERGROUND STRUCTURES REMOVAL SHALL BE BACK-FILLED AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

P. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF EACH SITE DURING DEMOLITION ACTIVITIES.

Q. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT, AND CITY OF DALLAS STANDARD CONSTRUCTION SPECIFICATIONS.

R. PRIOR TO ANY WORK, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS INCLUDING ALL NOTES, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION NORTH CENTRAL TEXAS AND THE CITY STANDARDS FOR CONSTRUCTION AND ANY OTHER APPLICABLE STANDARD AND SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK SPECIFIED. FAILURE ON THE PART OF THE CONTRACTOR TO BE FAMILIAR WITH ALL STANDARDS AND SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY OF PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARDS AND SPECIFICATIONS.

S. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES MAINS, MANHOLES, CLEAN OUTS, VALVE BOXES, FIRE HYDRANTS, ETC., IN THE LIMITS OF DEMOLITION.

T. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.

U. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.

V. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT/ROADWAYS AND ACCESS TO FIRE HYDRANTS ON SITE UNTIL BUILDINGS AND STRUCTURES ABOVE THE FOUNDATION HAVE BEEN DEMOLISHED AND REMOVED IN THAT DISTURBED AREA.

W. THE DEMOLITION CONTRACTOR IS TO COORDINATE DEMOLITION ACTIVITIES WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR'S ACTIVITIES.

X. DEMOLITION CONTRACTOR MUST PROVIDE ALL CONSTRUCTION WORKERS WITH IDENTIFICATION BADGES, WITH PHOTOGRAPH, THAT SHALL BE WORN VISIBLY AT ALL TIMES WHILE WORKERS ARE PRESENT ON THE CONSTRUCTION SITE.

Y. UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, HEAT,UTILITIES, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT AND WHETHER OR NOT INCORPORATED OR TO BE INCORPORATED IN THE WORK.

Z. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.

AA. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY UTILITY SERVICES REQUIRED TO COMPLETE THE PROJECT.

BB. CONTRACTOR IS TO PROVIDE A MARKED UP RECORD DRAWING TO THE OWNER UPON COMPLETION OF THE PROJECT. LEGIBLY MARK EACH ITEM TO RECORD ACTUAL CONSTRUCTION, INCLUDING:

A. MEASURED HORIZONTAL AND VERTICAL LOCATIONS OF UNDERGROUND UTILITIES AND APPURTENANCES, REFERENCED TO PERMANENT SURFACE IMPROVEMENTS.

B. MEASURED LOCATIONS OF INTERNAL UTILITIES AND APPURTENANCES CONCEALED IN CONSTRUCTION, REFERENCED TO VISIBLE AND ACCESSIBLE FEATURES OF CONSTRUCTION.

C. CHANGES MADE BY MODIFICATIONS.

CC. CAREFULLY REMOVE AND SALVAGE EACH ITEM INDICATED TO REMAIN THE OWNER'S PROPERTY, AND DELIVER PROMPTLY TO THE OWNER. ALL OTHER DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION. STORAGE OR SALE OF THE MATERIALS IS NOT PERMITTED ON THE SITE.

DD. REMOVE DEBRIS ON A DAILY BASIS, DO NOT STORE OR BURN MATERIALS ON SITE.

SITE DEMO NOTES

1. SAWCUT AND REMOVE EXISTING PAVING.
2. REMOVE EXISTING SIDEWALK.
3. REMOVE EXISTING MARQUEE SIGN AND FOUNDATION
4. SAWCUT AND REMOVE EXISTING CURB.
5. REMOVE EXISTING TREE.
6. REMOVE EXISTING LAMP, LIGHT POLE TO REMAIN, REF. MEP.
7. REMOVE EXISTING WALL PACK LIGHT
8. REFER TO CIVIL FOR SITE UTILITIES & SITE DEMO.
9. REMOVE EXISTING BOLLARDS.
10. RESTRIPE PARKING. REF: A100
11. REMOVE EXISTING EXTERIOR HANDRAIL AND GUARD RAIL

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REGISTERED ARCHITECT
KRISTI GARCIA
47913
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

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REVISIONS:

No.	Date

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Overall Site Demo Plan

AD100

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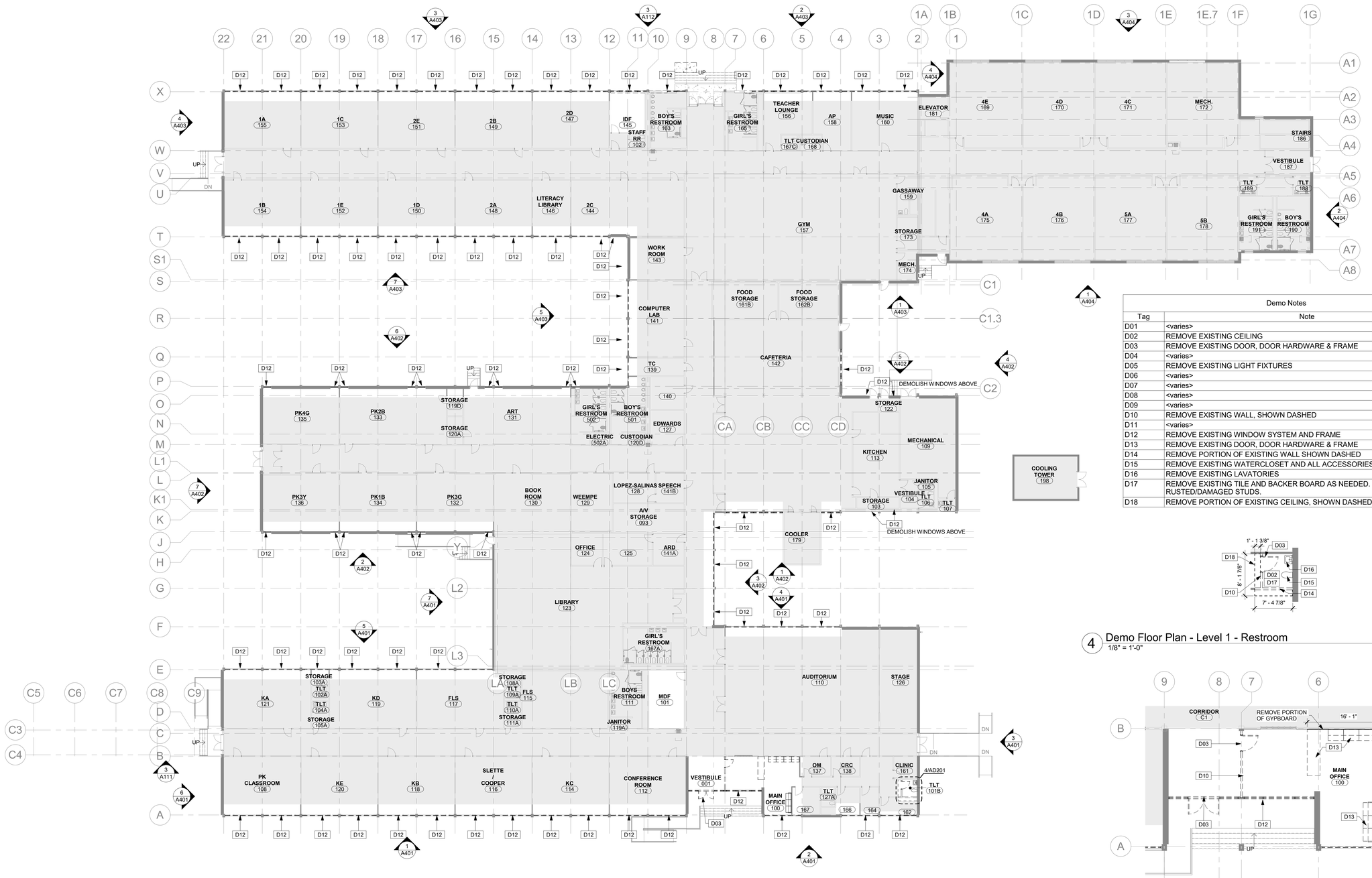
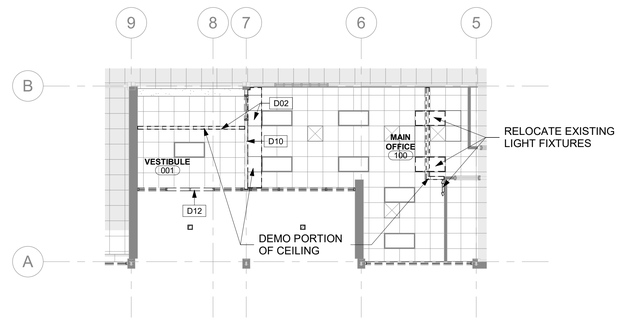


1 Demolition Floor Plan - Level 1
1/16" = 1'-0"

Demo Notes	
Tag	Note
D01	<varies>
D02	REMOVE EXISTING CEILING
D03	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D04	<varies>
D05	REMOVE EXISTING LIGHT FIXTURES
D06	<varies>
D07	<varies>
D08	<varies>
D09	<varies>
D10	REMOVE EXISTING WALL, SHOWN DASHED
D11	<varies>
D12	REMOVE EXISTING WINDOW SYSTEM AND FRAME
D13	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D14	REMOVE PORTION OF EXISTING WALL SHOWN DASHED
D15	REMOVE EXISTING WATERCLOSET AND ALL ACCESSORIES
D16	REMOVE EXISTING LAVATORIES
D17	REMOVE EXISTING TILE AND BACKER BOARD AS NEEDED. REPLACE ANY RUSTED/DAMAGED STUDS.
D18	REMOVE PORTION OF EXISTING CEILING, SHOWN DASHED

4 Demo Floor Plan - Level 1 - Restroom
1/8" = 1'-0"

5 Demo Floor Plan - Level 1 - Main Entry
1/8" = 1'-0"



2 Demo RCP Plan - Level 1
1/8" = 1'-0"

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REGISTERED ARCHITECT JESSE GARCIA 47913 STATE OF TEXAS 08/11/25

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JOB NO. 2239
DATE: 08/11/2025

Floor Plan Level 1 - Overall Demo

AD201

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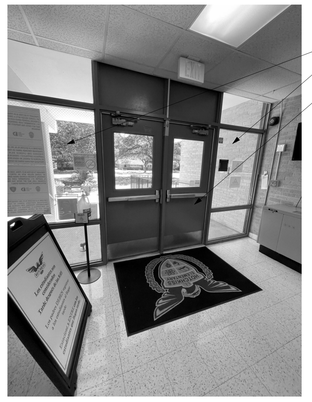
1 Demo Image
12" = 1'-0"



2 Demo Image 2
12" = 1'-0"



3 Demo Image 3
12" = 1'-0"

Demo Notes	
Tag	Note
D01	<varies>
D02	REMOVE EXISTING CEILING
D03	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D04	<varies>
D05	REMOVE EXISTING LIGHT FIXTURES
D06	<varies>
D07	<varies>
D08	<varies>
D09	<varies>
D10	REMOVE EXISTING WALL, SHOWN DASHED
D11	<varies>
D12	REMOVE EXISTING WINDOW SYSTEM AND FRAME
D13	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D14	REMOVE PORTION OF EXISTING WALL SHOWN DASHED
D15	REMOVE EXISTING WATERCLOSET AND ALL ACCESSORIES
D16	REMOVE EXISTING LAVATORIES
D17	REMOVE EXISTING TILE AND BACKER BOARD AS NEEDED. REPLACE ANY RUSTED/DAMAGED STUDS.
D18	REMOVE PORTION OF EXISTING CEILING, SHOWN DASHED

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REGISTERED ARCHITECT
JESUS GARCIA
47911
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Demo Images

AD201.1

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Demo Notes	
Tag	Note
D01	<varies>
D02	REMOVE EXISTING CEILING
D03	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D04	<varies>
D05	REMOVE EXISTING LIGHT FIXTURES
D06	<varies>
D07	<varies>
D08	<varies>
D09	<varies>
D10	REMOVE EXISTING WALL, SHOWN DASHED
D11	<varies>
D12	REMOVE EXISTING WINDOW SYSTEM AND FRAME
D13	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D14	REMOVE PORTION OF EXISTING WALL SHOWN DASHED
D15	REMOVE EXISTING WATERCLOSET AND ALL ACCESSORIES
D16	REMOVE EXISTING LAVATORIES
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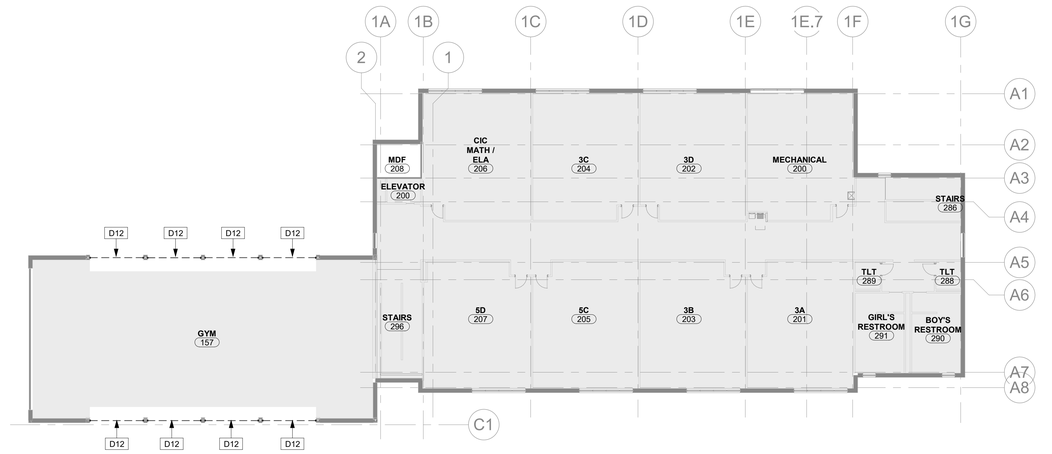
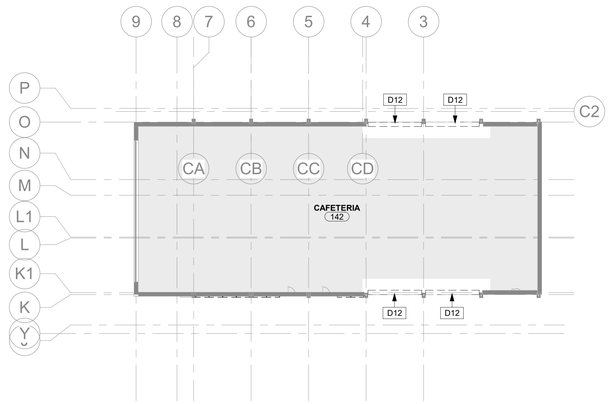
D18	REMOVE PORTION OF EXISTING CEILING, SHOWN DASHED



1 Floor Plan Level 2 - Overall Demo
1/16" = 1'-0"



2 Floor Plan Level 2 - Cafeteria
1/16" = 1'-0"

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REGISTERED ARCHITECT JAIME GARCIA 27913 STATE OF TEXAS 06/11/25

DISD L.L. Hotchkiss ES Renovations

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Floor Plan Level 2 - Overall Demo

AD202

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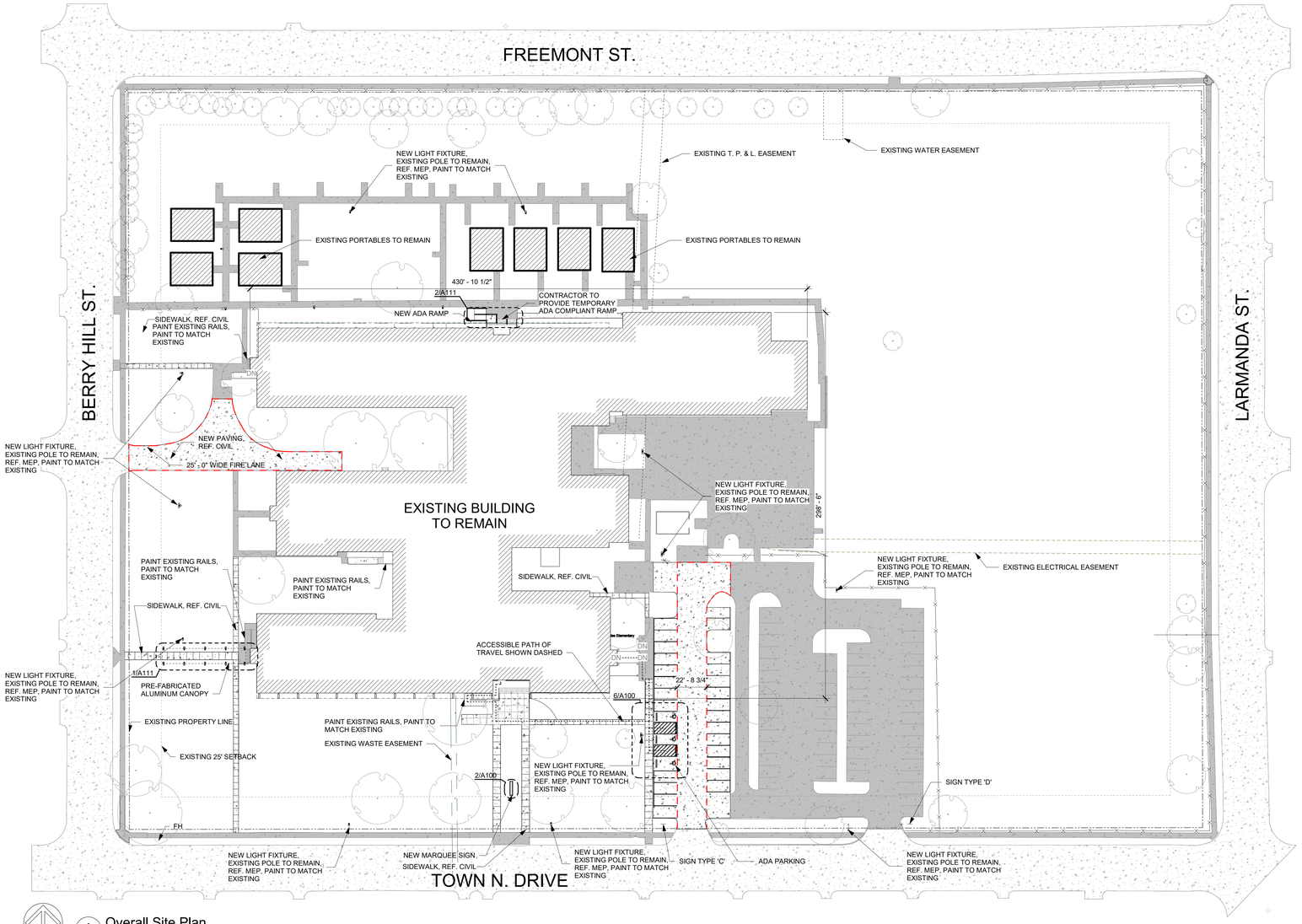


PLAN NORTH

1 Overall Site Plan
1" = 40'-0"

SITE PLAN NOTES

1. REFER TO CIVIL ENGINEER DRAWINGS FOR DIMENSION CONTROL PLAN OF BUILDING, VEHICULAR PAVING, AND ADDITIONAL SITE DEMO INFORMATION.

2. REFER TO CIVIL ENGINEER DRAWINGS FOR SITE GRADING AND SITE UTILITIES INFORMATION (ADDITIONAL SITE UTILITY INFORMATION IS AS SHOWN ON M.P.E. ENGINEER DRAWINGS).

3. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SLEEVES UNDER SIDEWALKS AS NEEDED FOR LANDSCAPE IRRIGATION AND ALL SITE UTILITIES.

4. SIDEWALKS SHALL BE 5'-0"W, U.N.O. AND CONSTRUCTED ACCORDING TO DETAILS ON ARCHITECTURAL SHEET A121. ALL SIDEWALKS PARALLEL TO BLDG. SHALL HAVE A MAX. SLOPE OF 1/4" /FT. CROSS SLOPE.

5. TYPICAL PARKING SPACES ARE 9'-0" WIDE, TYP. HANDICAP PARKING SPACES ARE 9'-0" WIDE W/ 5'-0"W AISLE ADJACENT TO HANDICAP PARKING. "VAN ACCESSIBLE" HANDICAP PARKING SPACE SHALL BE 132" (11'-0") MINIMUM WITH ACCESS AISLES ONLY REQUIRED TO BE 60" (5'-0") MINIMUM. EXCEPTION ALLOWS FOR 96" (8'-0") SPACE WITH 96" (8'-0") AISLE MINIMUM. ALL H.C. SPACES SHALL HAVE SIGN PER SHEET G201. PAINT EACH H.C. SPACE WITH UNIVERSAL SYMBOL OF ACCESSIBILITY TO FIT WITHIN A 6'-0" SQUARE.

6. PARKING SPACE STRIPING SHALL HAVE 4" WIDTH. STRIPING COLORS AS FOLLOWS:
   A. WHITE, GENERAL PARKING
   B. YELLOW, NO PARKING AND LOADING
   C. CROSSWALK STRIPING AND H.C. AISLES SHALL BE PAINTED 4" WIDE AT 45 DEGREES AT 12" O.C. IN YELLOW.

7. FIRE LANES SHALL BE CLEARLY MARKED ON THE PAVEMENT PER **CITY** REQUIREMENTS.

8. CONCRETE SPLASH BLOCKS, PER **DETAIL 9/A111** AT ALL DOWNSPOUTS, PRIMARY AND OVERFLOW ROOF DRAIN DISCHARGE LOCATED AT GRADE OR ON THE ROOF.

9. EXPANSION JOINT FILLER AND SEALANT SHALL BE INSTALLED AT ALL LOCATIONS WHERE CONCRETE SIDEWALKS MEET THE BUILDING.

10. ACCESSIBLE ROUTE TO BUILDING ENTRANCES SHALL COMPLY WITH ALL REQUIREMENTS FOR CHANGES IN LEVELS PER T.A.S. (A.D.A. STANDARDS) REQUIREMENTS.

11. AT ALL CONDITIONS WHERE SIDEWALKS MEET BUILDING ENTRANCE OR EXTERIOR DOOR, PROVIDE # 4 DOWELS AT 12" O.C., DOWELED INTO BUILDING GRADE BEAM.

12. ALL SITE SIDEWALKS SHALL BE INSTALLED 1" ABOVE GRADE AND SLOPE WITH EXISTING GRADES. MAXIMUM SLOPE IN DIRECTION OF TRAVEL 5%. MAXIMUM CROSS SLOPE IS 1/4" PER FOOT (SLOPE WITH SITE GRADING).

13. PARKING DIMENSIONS ARE TO BACK OF CURB.

14. ALL SIDEWALKS WIDER THAN 5' SHALL HAVE LIME STABILIZED SUBGRADE PER SPEC.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHED GRADES AROUND EDGE OF BUILDING TO BE 1'-0" BELOW FINISH FLOOR WHERE IT DOES NOT CAUSE ENTRANCE PROBLEMS.

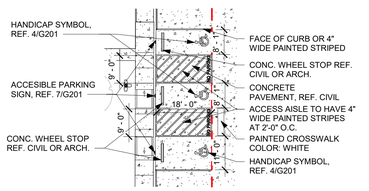
16. REFER TO CIVIL DRAWINGS FOR SITE UTILITY & ADDITIONAL SITE DEMO.

SITE PLAN LEGEND

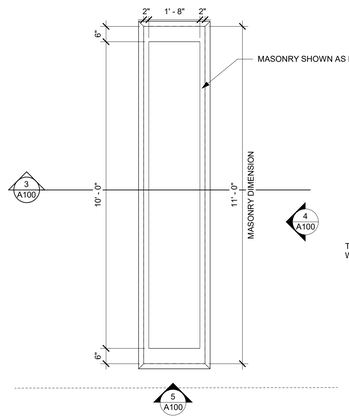
- ACCESSIBLE PATH
- 1 HR RATED WALL
- 2 HR RATED WALL

MASONRY LEGEND	
BRICK TYPE 1 - TBD	

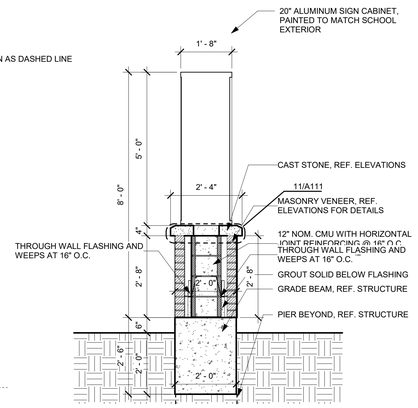
L.L. HOTCHKISS ELEMENTARY SCHOOL					
BUILDING/SITE SPECIFICATIONS					
ZONING CLASSIFICATION:	PD - 643				
OCCUPANCY USE:	EDUCATION GROUP-E				
STORIES (PERMITTED):	X	HEIGHT (PERMITTED):	X	FRONT SIDE SETBACK:	X
STORIES (EXISTING):	2	HEIGHT (EXISTING):	23'	REAR SETBACK:	X
HAZARDOUS MATERIAL:	NO	OVERLAY DISTRICT:	N/A		
BUILDING AREA - GROUND FLOOR:	68,124 SF	ACRAGE OF SITE:	10.875 ACRES		
BUILDING AREA - LEVEL 2:	10,832 SF	SQUARE FOOTAGE OF SITE:	473,712 SF		
TOTAL BUILDING AREA:	78,956 SF	LOT COVERAGE:	14.4%		
FLOOR TO AREA RATIO:	.167	OPEN SPACE:	85.6%		
IMPERVIOUS AREA:	SF	PERVIOUS AREA:	SF		
SCHOOL CLASSROOM COUNT:	32	SCHOOL MAXIMUM CAPACITY:	X		
PARKING SPACES REQUIRED:	48	PARKING SPACES (STANDARD):	80		
PARKING SPACES PROVIDED:	83	PARKING SPACES (ACCESSIBLE):	3		



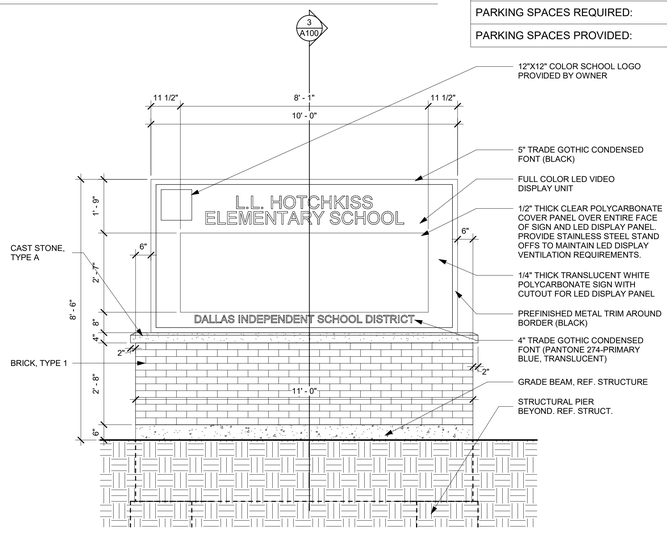
6 Enlarged Site Plan - ADA Parking
1" = 20'-0"



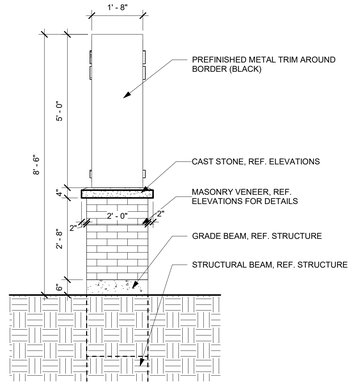
2 Enlarged Site Plan - Marquee Sign
1/2" = 1'-0"



3 Marquee Sign Section
1/2" = 1'-0"



4 Marquee Sign Front Elevation
1/2" = 1'-0"



5 Marquee Sign Side Elevation
1/2" = 1'-0"

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REVISIONS:

No.	Date

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DATE: 08/11/2025

Overall Site Plan

A100

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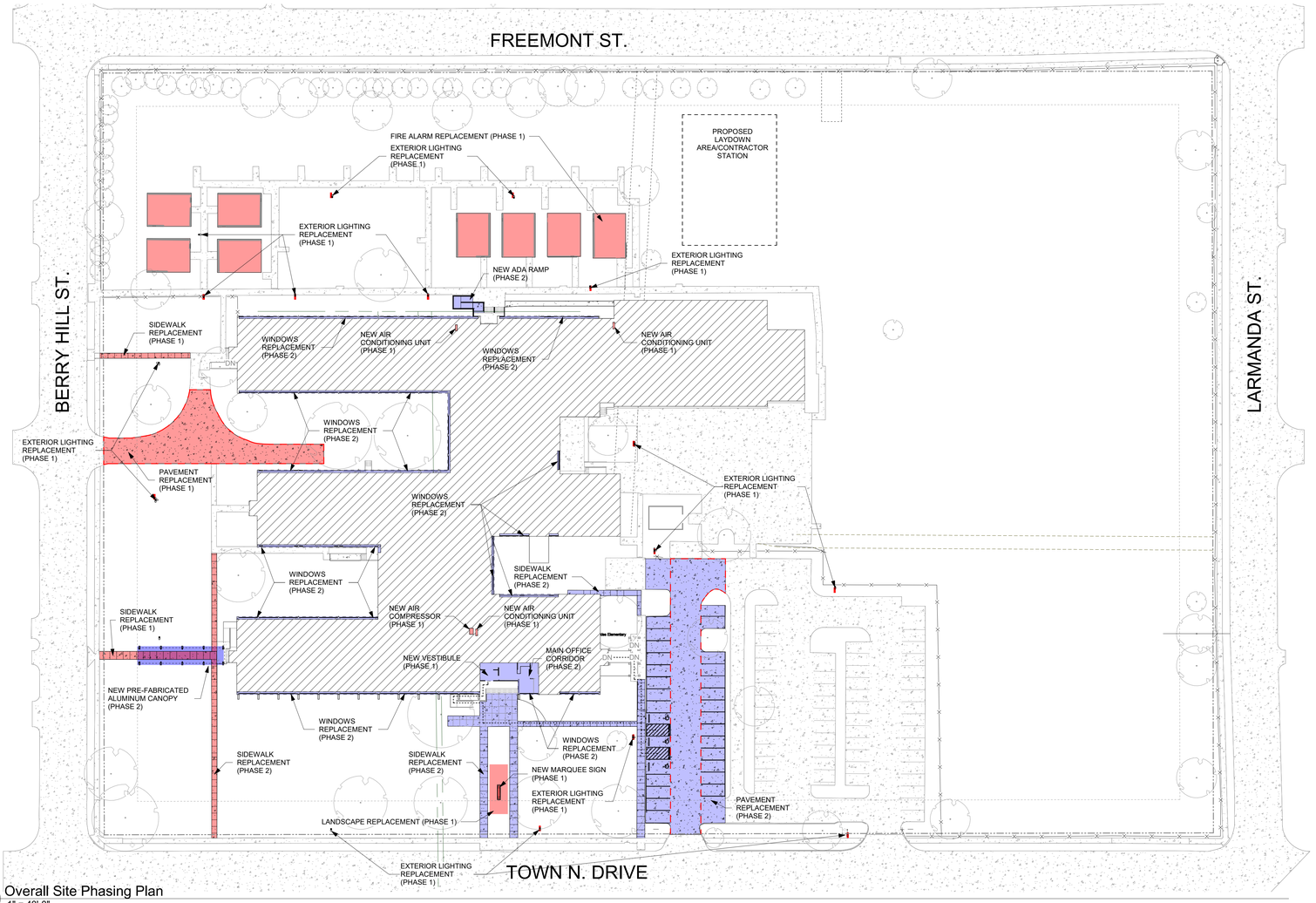

1 Overall Site Phasing Plan
1" = 40'-0"

GENERAL NOTES FOR CONSTRUCTION PHASING

1. PHASING IS SUGGESTED ONLY. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION.

2. WINTER WORK - (AREA "A") MAY BE PERFORMED OVER THE SUMMER BREAK ONLY IF THAT WORK IS FULLY COMPLETED 2 WEEKS PRIOR TO SCHOOL RESUMING SESSION. VERIFY ANY WINTER SCOPE WITH DISTRICT.

3. CONTRACTOR MUST PROVIDE TEMPORARY FRONT ENTRANCE ACCESS AND WALKWAY WHILE SCHOOL IS IN SESSION.

4. CONTRACTOR MUST MAINTAIN REQUIRED EGRESS FROM SCHOOL AS REQUIRED DURING CONSTRUCTION WHILE SCHOOL IS IN SESSION.

5. WINDOWS MAY NOT BE WORKED ON DURING SHORT STUDENT BREAKS. EXAMPLE: THANKSGIVING, SPRING BREAK.

6. GC TO COORDINATE WINDOW REPLACEMENT SCHEDULE WITH OWNER DURING SUMMER BREAK.

SCHOOL AND WORKING HOURS

- SUMMER SCHOOL/CLASSROOM HOURS, PLEASE REFER TO DIV. 0 - SCHOOL OPERATIONS PARAMETERS
- NORMAL AFTER SCHOOL WORKING HOURS (IF ALLOWED) REFER TO DIV 0.
- NON-SCHOOL WORKING HOURS (WEEKENDS, HOLIDAYS, BREAKS AND SUMMER) TO BE 7:00AM TO 10:00PM (CONFIRM WITH CITY OF DALLAS IF WORKING HOURS CAN BE EXTENDED TO 12:00AM OR BEYOND)

SPECIAL NOTES

- THE GC TO INCLUDE ALL SPECIAL PROJECT ASSIGNMENTS IN YOUR SCHEDULE (PRE-LIFTS, PRE-DIGS, PRE-UTILITY SHUTDOWNS) REFERENCE DISD SAFETY MANUAL
- THE GC WILL NEED TO PLAN ALL MAJOR LIFTING ACTIVITIES (I.E. AHU, RTU,CHILLER, BOILER, SWITCHGEAR, STEELWORK)
- NO WORK WILL BE ALLOWED TO BE PERFORMED DURING TESTING WEEKS
- PLEASE CONSULT WITH PROGRAM MANAGER AND SCHOOL STAFF FOR SPECIFIC TESTING DATES ALLOTED BY DISD
- COORDINATE ALL WORK AND SCHOOL ACCESS WITH PRINCIPAL AND PROGRAM MANAGER
- NO OVERHEAD OR ROOF WORK TO BE PERFORMED OVER OCCUPIED AREAS OR ROOMS
- PLEASE REFER TO THE CONSTRUCTION DOCUMENTS FOR FULL SCOPE OF WORK DESCRIPTION
- NO TRENCHING OR EXCAVATION ALLOWED DURING SCHOOL HOURS
- REFER TO PROJECT MANUAL, DIVISION 01, FOR ADDITIONAL REQUIREMENTS
- IF SCOPE OF WORK INCLUDES WORK ASSOCIATED WITH THE FIRE SPRINKLER, FIRE ALARM AND/OR SECURITY SYSTEMS - EXISTING SYSTEMS ARE TO BE MAINTANED AND OPERATIONAL UNTIL NEW SYSTEM IS FULLY OPERATIONAL TESTED AND ACCEPTED
- GC IS TO AUDIT ALL EXISTING SYSTEMS BEFORE THE WORK IS STARTED TO VERIFY WORKING CONDITIONS. SYSTEMS INCLUDED ARE FIRE ALARMS, PA, SECURITY SENSORS, HVAC, LIGHTING CONTROLS. GC IS TO AUDIT THESE SYSTEMS AND PROVIDE A WRITTEN REPORT TO THE PMF PM OF WHAT WAS FOUND FOR EACH SYSTEM AND PRECONSTRUCTION PHOTOS OF THESE SYSTEMS PER THE PROJECT SPECIFICATION SECTION 01 32 33 - "PHOTOGRAPHIC DOCUMENTATION REQUIREMENTS". IF A WRITTEN REPORT IS NOT FURNISHED BEFORE THE CONTRACTOR MOBILIZES ON SITE AND/OR 10 BUSINESS DAYS FROM RECEIVING A NOTICE TO PROCEED, THE SYSTEM(S) WILL BE CONSIDERED TO FULLY FUNCTIONAL AND THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THEM AS SUCH THROUGH THE DURATION OF THE PROJECT, AND RETURN THEM IN FULLY OPERATIONAL CONDITION AT THE END OF THE PROJECT (FINAL COMPLETION) AT NO ADDITIONAL COST TO THE OWNER
- GC TO INCLUDE ALL COST RELATED TO SAFETY IN THE CONSTRUCTION COST, NOT A SEPARATE BUDGET OR ADD SERVICE FOR EXAMPLE, RELOCATING FENCING, RELOCATING PARTITIONS, HARD BARRIERS
- WORK ON THE FRONT OF THE SCHOOL MUST BE COORDINATED WITH PMF & CAMPUS REGARDING TIME AND SCHEDULE
- LAYDOWN AREA AND ALTERNATE ACCESS MUST BE TEMPORARILY FENCED OFF AND MUST INCLUDE AN ACCESS GATE

PHASING PLAN LEGEND

- PHASE 1 - CONSTRUCTION - 2025
- PHASE 2 - CONSTRUCTION - SUMMER 2026

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DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

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DATE: 06/11/2025

Overall Phasing Plan

A101

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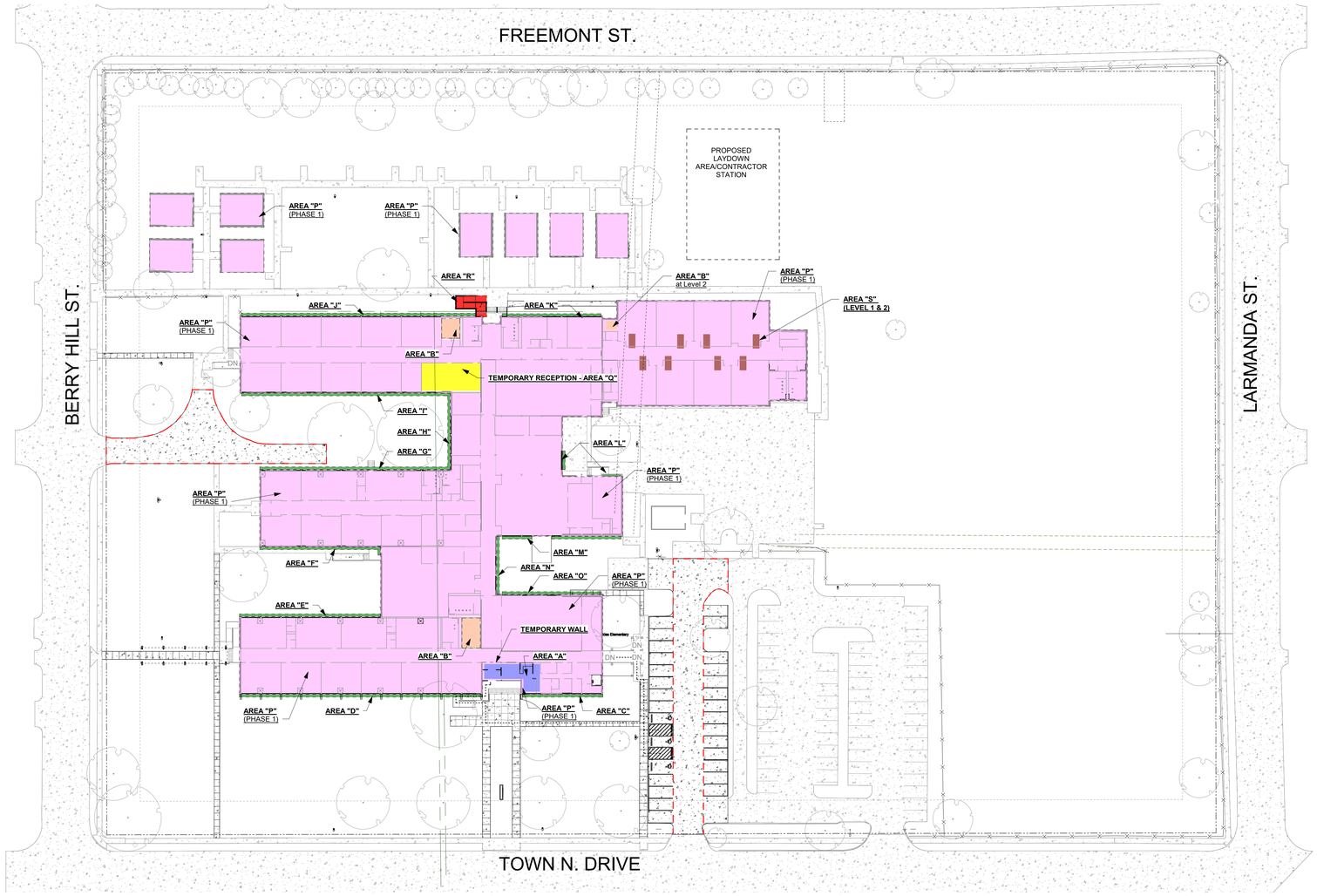

1 Overall Work Area Plan
1" = 40'-0"

WORK AREA FLOOR PLAN NOTES

WORK AREA "A" (NEW RECEPTION)
OCCUPANTS SHALL BE RELOCATED FOR DURATION (SUMMER 2026) GC TO CONFIRM LOCATION WITH DISD. TEMPORARY ENTRY, SHOWN IN PLAN SHALL BE UTILIZED WHILE AREA 'A' IS UNDER CONSTRUCTION. NEW FIRE ALARM PANEL TO BE COMPLETELY INSTALLED IN WORK AREA "A" PRIOR TO REMOVAL OF EXISTING FIRE ALARM SYSTEM
GC TO PROVIDE DIRECTIONAL SIGNAGE FOR TEMPORARY ENTRY. ANY MECHANICAL, ELECTRICAL, PLUMBING, LIFE SAFETY, & SECURITY WORK IN THIS AREA MUST RESPECT FUNCTION OF REMAINDER OF FACILITY, CONTRACTOR TO COORDINATE WITH OWNER. CONTRACTOR TO PROVIDE TEMPORARY WALL CONSTRUCTION BARRIER WITH EGRESS.

WORK AREA "B" (IDF & MDF HVAC)
CONTRACTOR SHALL COORDINATE WITH OWNER ON PROTECTION OF IDF & MDF EQUIPMENT DURING MECHANICAL WORK INSTALLATION. CONTRACTOR TO COORDINATE WITH OWNER FOR OPERATION OF IDF & MDF ROOM AND EQUIPMENT DURING INSTALLATION

WORK AREA "C" - "O" (NEW WINDOW REPLACEMENT)
OCCUPANTS SHALL BE RELOCATED FOR DURATION. WORK AREA "C" - "O" MUST BE COMPLETED PRIOR TO SCHOOL OPENING. GC TO COORDINATE WITH DISD FOR ANY RELOCATION OF STORAGE MATERIALS

WORK AREA "P" (NEW FIRE ALARM)
WORK IN THIS AREA INCLUDES ENTIRE SCHOOL FIRE ALARM REPLACEMENT. NO WORK IS TO TAKE PLACE WHEN STUDENTS ARE PRESENT. WORK CAN TAKE PLACE AFTER HOURS AND ON WEEKENDS. CONTRACTOR TO REFERENCE 00 31 18 - SCHOOL OPERATIONS PARAMETERS. CONTRACTOR TO PREP INFRASTRUCTURE; EXAMPLE: RUNNING NEW CABLING DURING THE 2025 YEAR. STOBE ASSEMBLIES, SMOKE DETECTORS, TO BE CONNECTED DURING SUMMER 2026. AS NEW EQUIPMENT IS INSTALLED LABEL IT "NOT IN SERVICE" UNTIL IT IS ACCEPTED

WORK AREA "Q" (TEMPORARY ADMIN)
WORK IN THIS AREA SHALL START & COMPLETE BEFORE COMMENCEMENT OF WORK AREA 'A' - TEMPORARILY RELOCATE FRONT ADMIN TECHNOLOGY & SECURITY ITEMS, COORDINATE WITH PMF AND DISD SECURITY

WORK AREA "R" (NEW EXTERIOR ADA RAMP)
WORK IN THIS AREA SHALL BE STARTED AFTER WORK AREA 'A' IS COMPLETED

WORK AREA "S" (HVAC - VAV BOXES LEVEL 1 & 2)
OCCUPANTS SHALL BE RELOCATED FOR DURATION (SUMMER 2026) WORK TO COMMENCE SUMMER 2026

PHASING PLAN LEGEND

- AREA "A" (SUMMER)
- AREA "B"
- AREA "C" - "O" WINDOW REPLACEMENT (2025 - SUMMER)
- AREA "P"
- AREA "Q" (SUMMER)
- AREA "R" (SUMMER)
- AREA "S" (SUMMER)

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Overall Work Area Plan

A102

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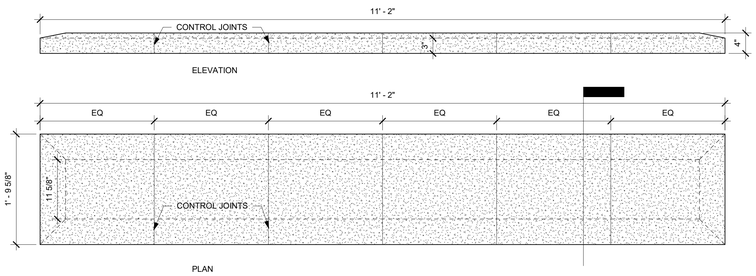
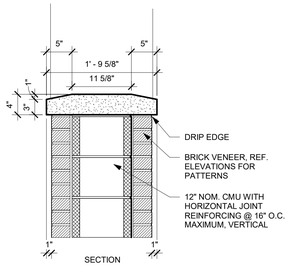
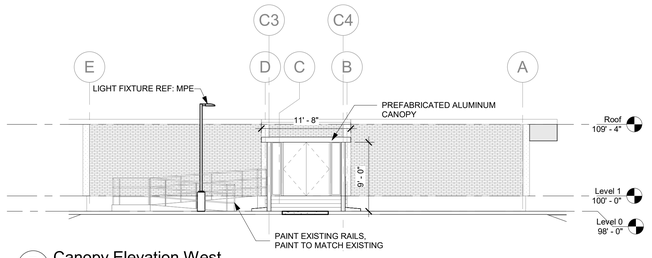
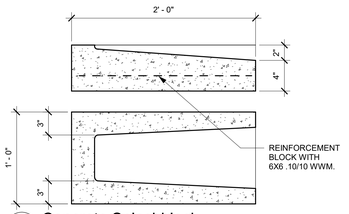




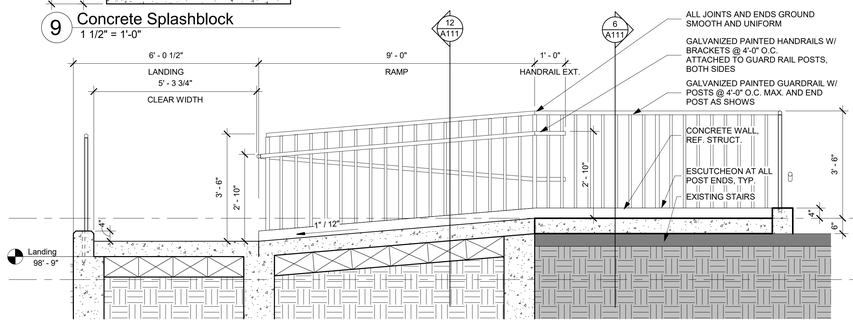
11 Cast Stone Detail - Type A
1" = 1'-0"



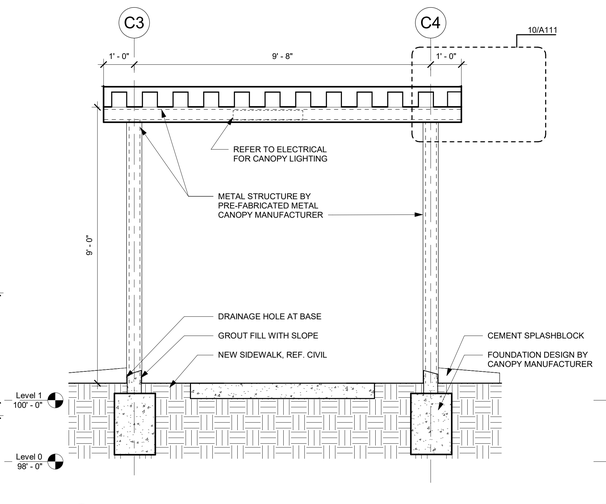
5 Canopy Elevation West
1/8" = 1'-0"



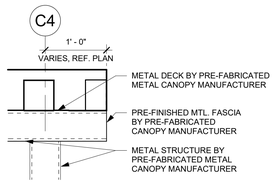
9 Concrete Splashblock
1 1/2" = 1'-0"



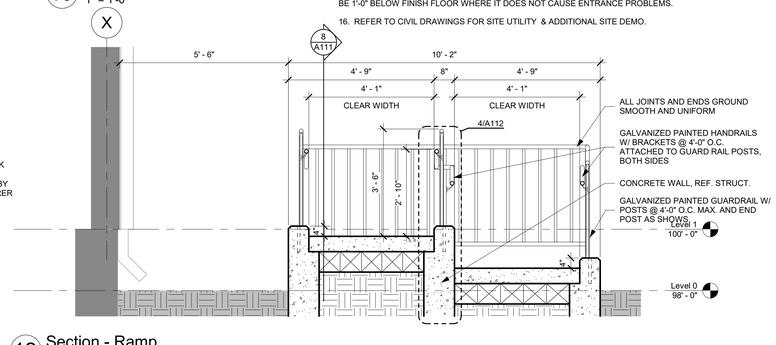
8 Section - Ramp Landing1
1/2" = 1'-0"



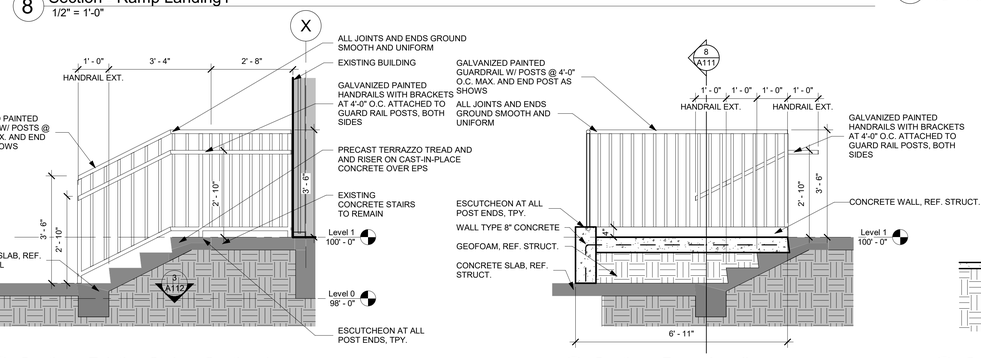
4 Site - Canopy Section
1/2" = 1'-0"



10 Site - Ext. Walkway Roof Edge
1" = 1'-0"

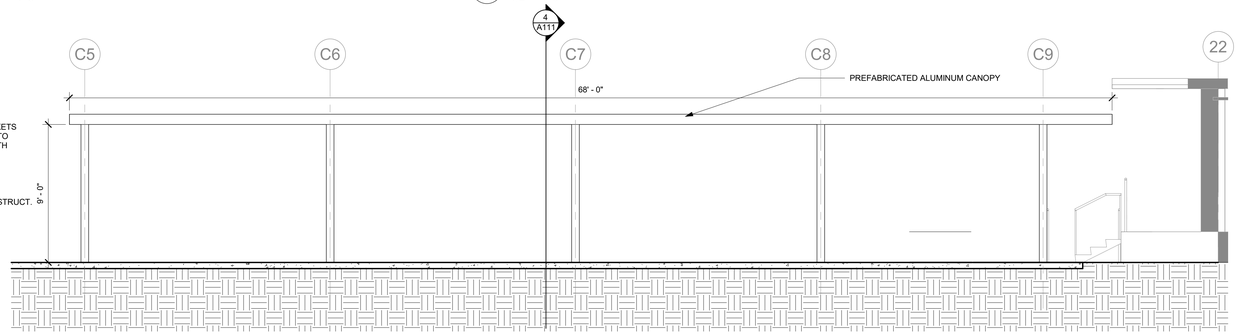


12 Section - Ramp
1/2" = 1'-0"

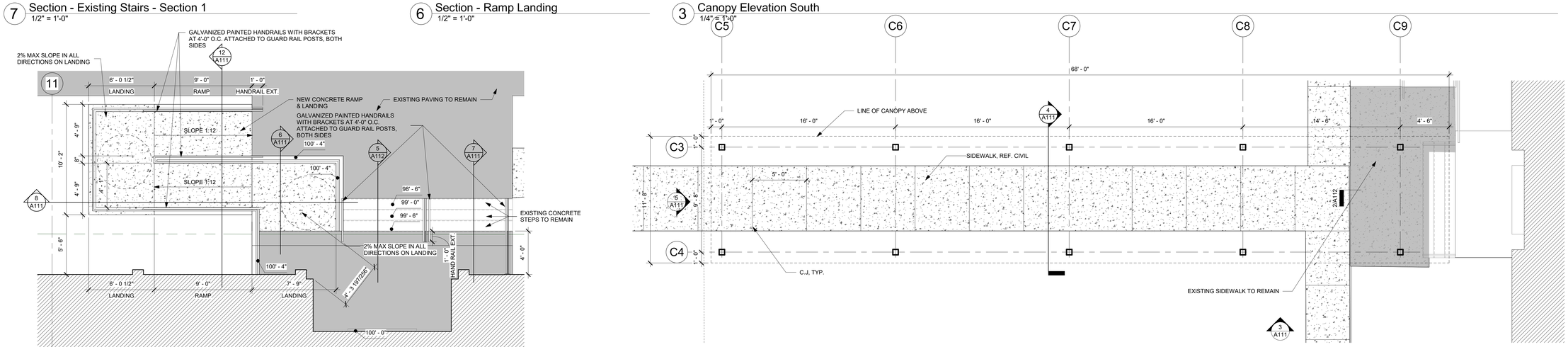


7 Section - Existing Stairs - Section 1
1/2" = 1'-0"

6 Section - Ramp Landing
1/2" = 1'-0"



3 Canopy Elevation South
1/4" = 1'-0"



2 Enlarged Site Plan - North Entry Ramp
1/4" = 1'-0"

1 Enlarged Site Plan - Canopy Drop Off Area
1/4" = 1'-0"

SITE PLAN NOTES

1. REFER TO CIVIL ENGINEER DRAWINGS FOR DIMENSION CONTROL PLAN OF BUILDING, VEHICULAR PAVING, AND ADDITIONAL SITE DEMO INFORMATION.

2. REFER TO CIVIL ENGINEER DRAWINGS FOR SITE GRADING AND SITE UTILITIES INFORMATION (ADDITIONAL SITE UTILITY INFORMATION IS AS SHOWN ON M.P.E. ENGINEER DRAWINGS).

3. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SLEEVES UNDER SIDEWALKS AS NEEDED FOR LANDSCAPE IRRIGATION AND ALL SITE UTILITIES.

4. SIDEWALKS SHALL BE 5'-0"W. U.N.O. AND CONSTRUCTED ACCORDING TO DETAILS ON ARCHITECTURAL SHEET A121. ALL SIDEWALKS PARALLEL TO BLDG. SHALL HAVE A MAX. SLOPE OF 1/4" /FT. CROSS SLOPE.

5. TYPICAL PARKING SPACES ARE 8'-0" WIDE, TYP. HANDICAP PARKING SPACES ARE 9'-0" WIDE W/ 5'-0"W AISLE ADJACENT TO HANDICAP PARKING. "VAN ACCESSIBLE" HANDICAP PARKING SPACE SHALL BE 132" (11'-0") MINIMUM WITH ACCESS AISLES ONLY REQUIRED TO BE 60" (5'-0") MINIMUM. EXCEPTION ALLOWS FOR 96" (8'-0") SPACE WITH 96" (8'-0") AISLE MINIMUM. ALL H.C. SPACES SHALL HAVE SIGN PER SHEET G201. PAINT EACH H.C. SPACE WITH UNIVERSAL SYMBOL OF ACCESSIBILITY TO FIT WITHIN A 6'-0" SQUARE.

6. PARKING SPACE STRIPING SHALL HAVE 4" WIDTH. STRIPING COLORS AS FOLLOWS:
   A. WHITE, GENERAL PARKING
   B. YELLOW, NO PARKING AND LOADING
   C. CROSSWALK STRIPING AND H.C. AISLES SHALL BE PAINTED
   4" WIDE AT 45 DEGREES AT 12" O.C. IN YELLOW.

7. FIRE LANES SHALL BE CLEARLY MARKED ON THE PAVEMENT PER **CITY** REQUIREMENTS.

8. CONCRETE SPLASH BLOCKS, PER **DETAIL 9/A111** AT ALL DOWNSPOUTS, PRIMARY AND OVERFLOW ROOF DRAIN DISCHARGE LOCATED AT GRADE OR ON THE ROOF.

9. EXPANSION JOINT FILLER AND SEALANT SHALL BE INSTALLED AT ALL LOCATIONS WHERE CONCRETE SIDEWALKS MEET THE BUILDING.

10. ACCESSIBLE ROUTE TO BUILDING ENTRANCES SHALL COMPLY WITH ALL REQUIREMENTS FOR CHANGES IN LEVELS PER T.A.S. (A.D.A. STANDARDS) REQUIREMENTS.

11. AT ALL CONDITIONS WHERE SIDEWALKS MEET BUILDING ENTRANCE OR EXTERIOR DOOR, PROVIDE # 4 DOWELS AT 12" O.C., DOWELED INTO BUILDING GRADE BEAM.

12. ALL SITE SIDEWALKS SHALL BE INSTALLED 1" ABOVE GRADE AND SLOPE WITH EXISTING GRADES. MAXIMUM SLOPE IN DIRECTION OF TRAVEL 5%. MAXIMUM CROSS SLOPE IS 1/4" PER FOOT (SLOPE WITH SITE GRADING).

13. PARKING DIMENSIONS ARE TO BACK OF CURB.

14. ALL SIDEWALKS WIDER THAN 5' SHALL HAVE LIME STABILIZED SUBGRADE PER SPEC.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHED GRADES AROUND EDGE OF BUILDING TO BE 1'-0" BELOW FINISH FLOOR WHERE IT DOES NOT CAUSE ENTRANCE PROBLEMS.

16. REFER TO CIVIL DRAWINGS FOR SITE UTILITY & ADDITIONAL SITE DEMO.

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REGISTERED ARCHITECT
JAIME GARCIA
27913
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Enlarged Site Plan and Site Plan Details

A111

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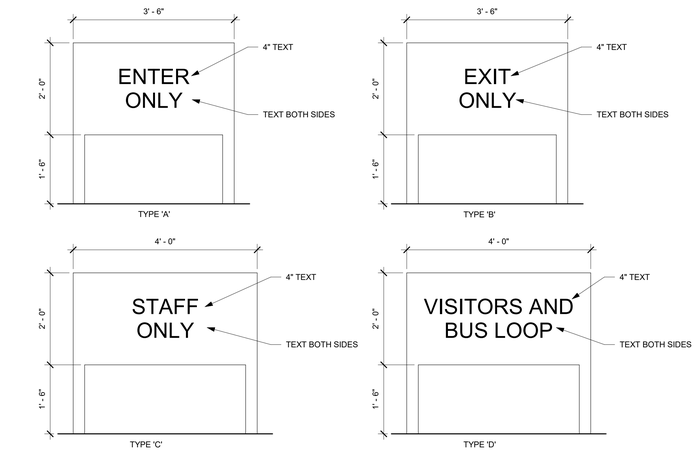
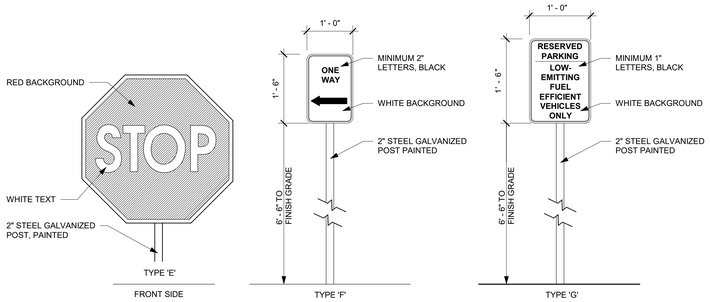
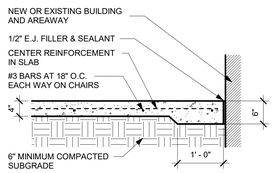
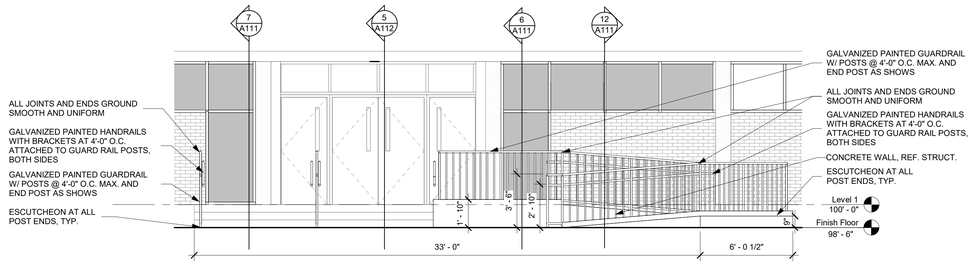


1 Signage Details
3/4" = 1'-0"

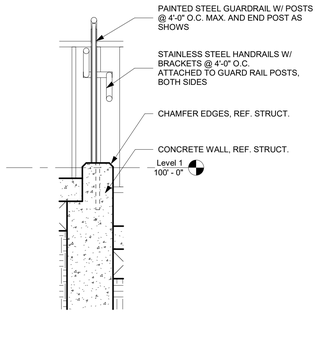




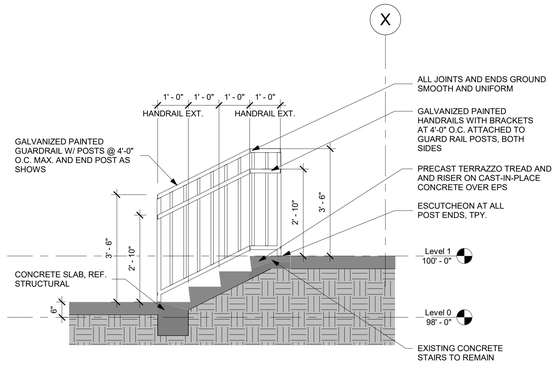
2 Sidewalk-to-Building
3/4" = 1'-0"



3 North Entry Ramp Elevation
1/4" = 1'-0"



4 Section - Ramp - Callout 1
3/4" = 1'-0"



5 Section - Existing Stairs - Section 2
1/2" = 1'-0"

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REGISTERED ARCHITECT JAIME GARCIA 47913 STATE OF TEXAS 06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Site Plan Details

A112

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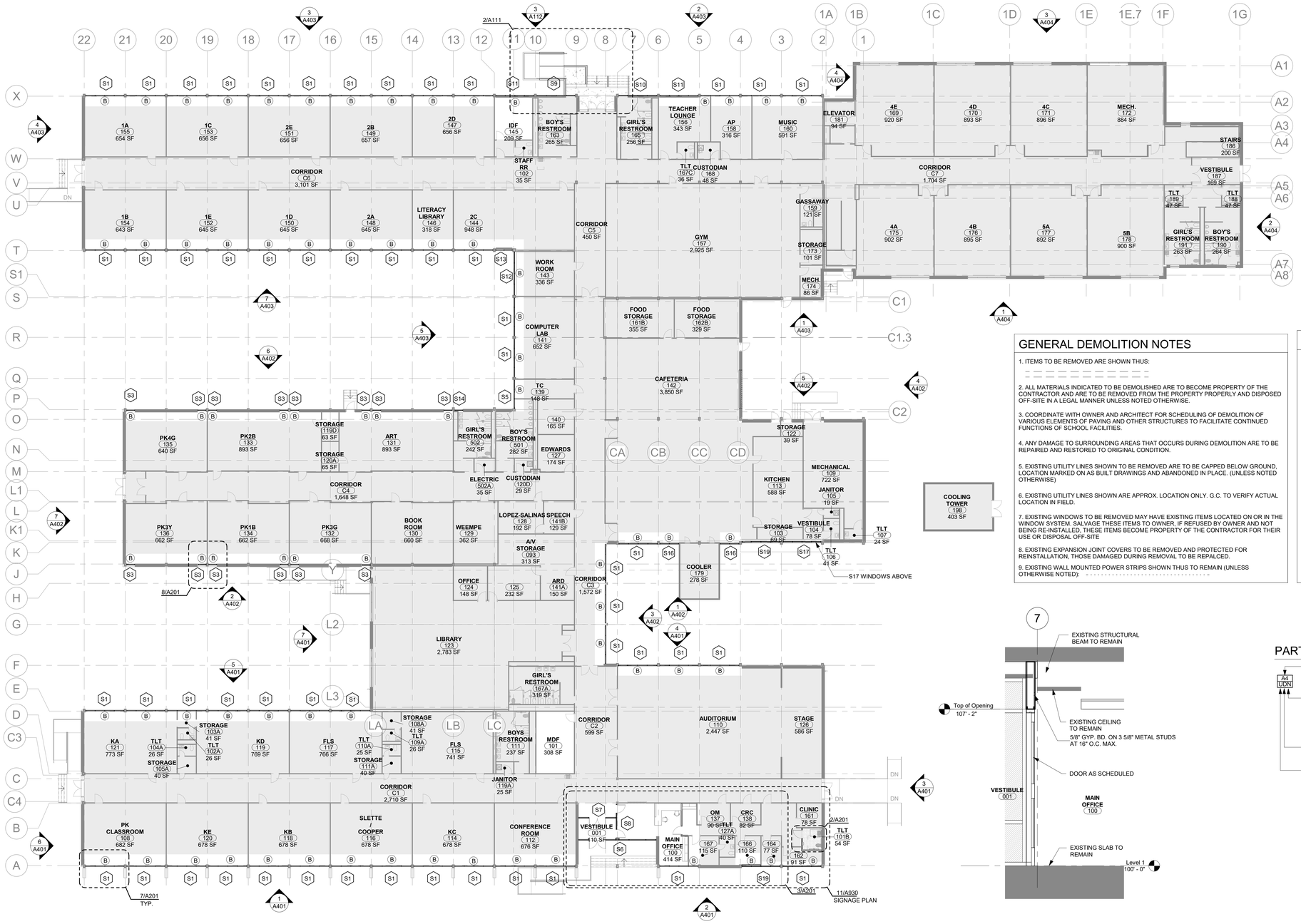
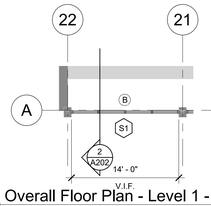
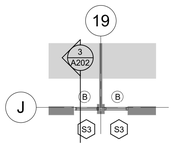


1 Overall Floor Plan - Level 1
1/16" = 1'-0"

PLAN NORTH



7 Overall Floor Plan - Level 1 - Callout 1
1/8" = 1'-0"



8 Overall Floor Plan - Level 1 - Callout 2
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. ITEMS TO BE REMOVED ARE SHOWN THUS:
2. ALL MATERIALS INDICATED TO BE DEMOLISHED ARE TO BECOME PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED FROM THE PROPERTY PROPERLY AND DISPOSED OFF-SITE IN A LEGAL MANNER UNLESS NOTED OTHERWISE.
3. COORDINATE WITH OWNER AND ARCHITECT FOR SCHEDULING OF DEMOLITION OF VARIOUS ELEMENTS OF PAVING AND OTHER STRUCTURES TO FACILITATE CONTINUED FUNCTIONS OF SCHOOL FACILITIES.
4. ANY DAMAGE TO SURROUNDING AREAS THAT OCCURS DURING DEMOLITION ARE TO BE REPAIRED AND RESTORED TO ORIGINAL CONDITION.
5. EXISTING UTILITY LINES SHOWN TO BE REMOVED ARE TO BE CAPPED BELOW GROUND. LOCATION MARKED ON AS BUILT DRAWINGS AND ABANDONED IN PLACE. (UNLESS NOTED OTHERWISE)
6. EXISTING UTILITY LINES SHOWN ARE APPROX. LOCATION ONLY. G.C. TO VERIFY ACTUAL LOCATION IN FIELD.
7. EXISTING WINDOWS TO BE REMOVED MAY HAVE EXISTING ITEMS LOCATED ON OR IN THE WINDOW SYSTEM. SALVAGE THESE ITEMS TO OWNER, IF REFUSED BY OWNER AND NOT BEING RE-INSTALLED, THESE ITEMS BECOME PROPERTY OF THE CONTRACTOR FOR THEIR USE OR DISPOSAL OFF-SITE
8. EXISTING EXPANSION JOINT COVERS TO BE REMOVED AND PROTECTED FOR REINSTALLATION, THOSE DAMAGED DURING REMOVAL TO BE REPALCED.
9. EXISTING WALL MOUNTED POWER STRIPS SHOWN THUS TO REMAIN (UNLESS OTHERWISE NOTED):

FLOOR PLAN SYMBOLS LEGEND

- 1 — Column Grid Bubble
- 1/A101 SIM — Callout Tag
- A101B — Door Tag
- W1 — Frame Types Ref. A302
- X/AXXX — Interior/Casework Elevation
- X A40X — Exterior Elevation
- Floor Drain
- B — Window Blinds
- M — Window Shades
- M12 — Displayboard Type Ref. A302
- X A42X — Building Section Tag
- X A50X — Wall Section Tag
- X'-X" — Spot Elevation Tag
- ℄ — Centerline
- ROOM NAME A101 — Room Tag and Number
- Furniture and Equipment, By Owner
- C.G. — Corner Guard
- F.E.C. — Fire Extinguisher Cabinet
- A.E.D. — Automated External Defibrillator

PARTITION SYMBOL LEGEND

A4 UDN — Partition Type - See schedule sheet A302

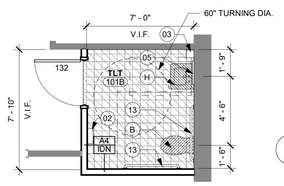
N - Non-rated partition
S - Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1 - 1 Hour partition
2 - 2 Hour partition
3 - 3 Hour partition
4 - 4 Hour partition
D - Extend wall to underside of structural deck
C - Top of wall to extend to 12" above finished ceiling height
H - Half wall, refer to floor plan for wall height.
U - Uninsulated
I - Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S - Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

Toilet Accessories Schedule

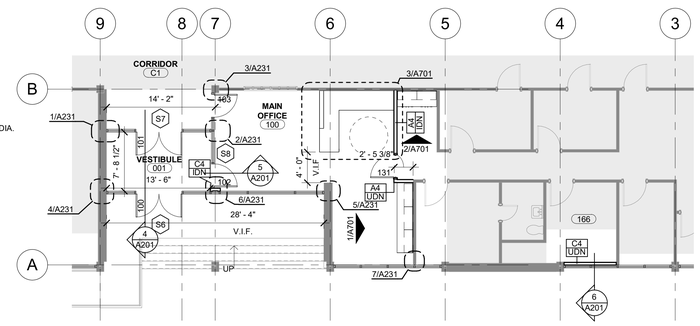
02	PAPER TOWEL DISPENSER
03	SOAP DISPENSER
05	ACCESSIBLE MIRROR 18" W X 42" H
13	GRAB BARS REF. G202

Toilet Fixtures Schedule

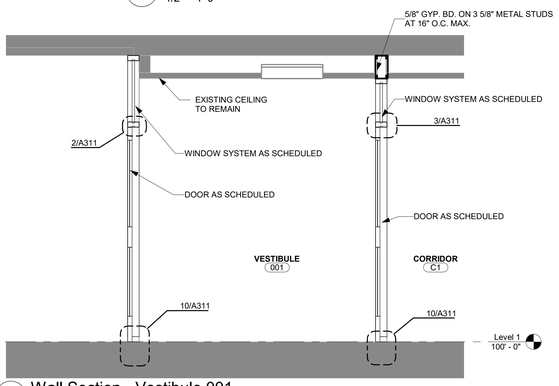
B	ACCESSIBLE WATER CLOSET (SHOWN SHADED) REF. G202
H	ACCESSIBLE LAVATORY (SHOWN SHADED) REF. G202



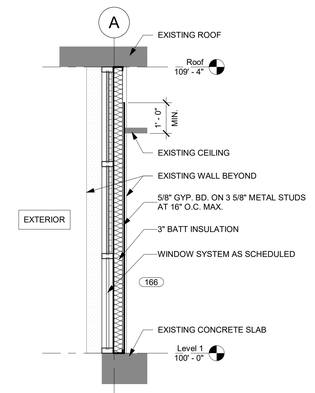
2 Enlarged Toilet Plan - 01
1/4" = 1'-0"



3 Overall Floor Plan - Level 1 - Secured Vestibule
1/8" = 1'-0"



4 Wall Section - Vestibule 001
1/2" = 1'-0"



6 Wall Section - Vault - 166
1/2" = 1'-0"

5 Wall Section - Vestibule 001 & Main Office 100
1/2" = 1'-0"

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REGISTERED ARCHITECT JAIME GARCIA 47913 STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

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No.	Date

JOB NO. 2239
DATE: 06/11/2025

Floor Plan Level 1 Overall

A201

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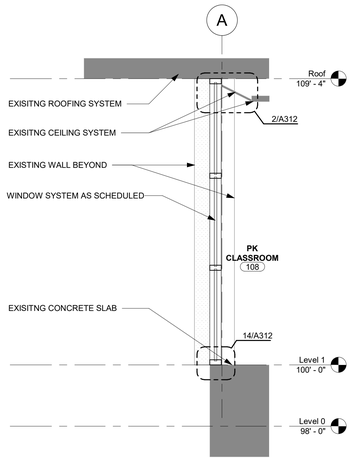
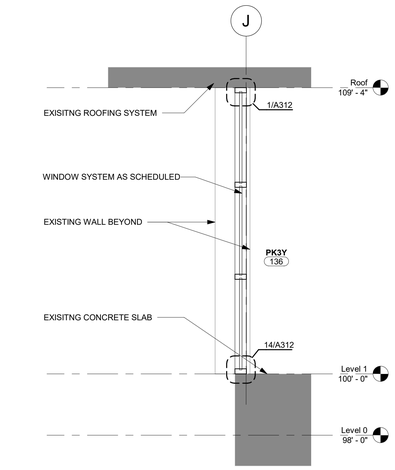


2 Section 2
1/2" = 1'-0"



3 Section 3
1/2" = 1'-0"

FLOOR PLAN SYMBOLS LEGEND

1	Column Grid Bubble	X / A42X	Building Section Tag
1/A101 / SIM	Callout Tag	X / A50X	Wall Section Tag
A101B	Door Tag	X'-X"	Spot Elevation Tag
W1	Frame Types Ref. A302	℄	Centerline
X/AXXX	Interior/Casework Elevation	ROOM NAME / A101	Room Tag and Number
X / A40X	Exterior Elevation		Furniture and Equipment, By Owner
	Floor Drain	C.G.	Corner Guard
B	Window Blinds	F.E.C.	Fire Extinguisher Cabinet
M	Window Shades	A.E.D.	Automated External Defibrillator
M12	Displayboard Type Ref. A302		

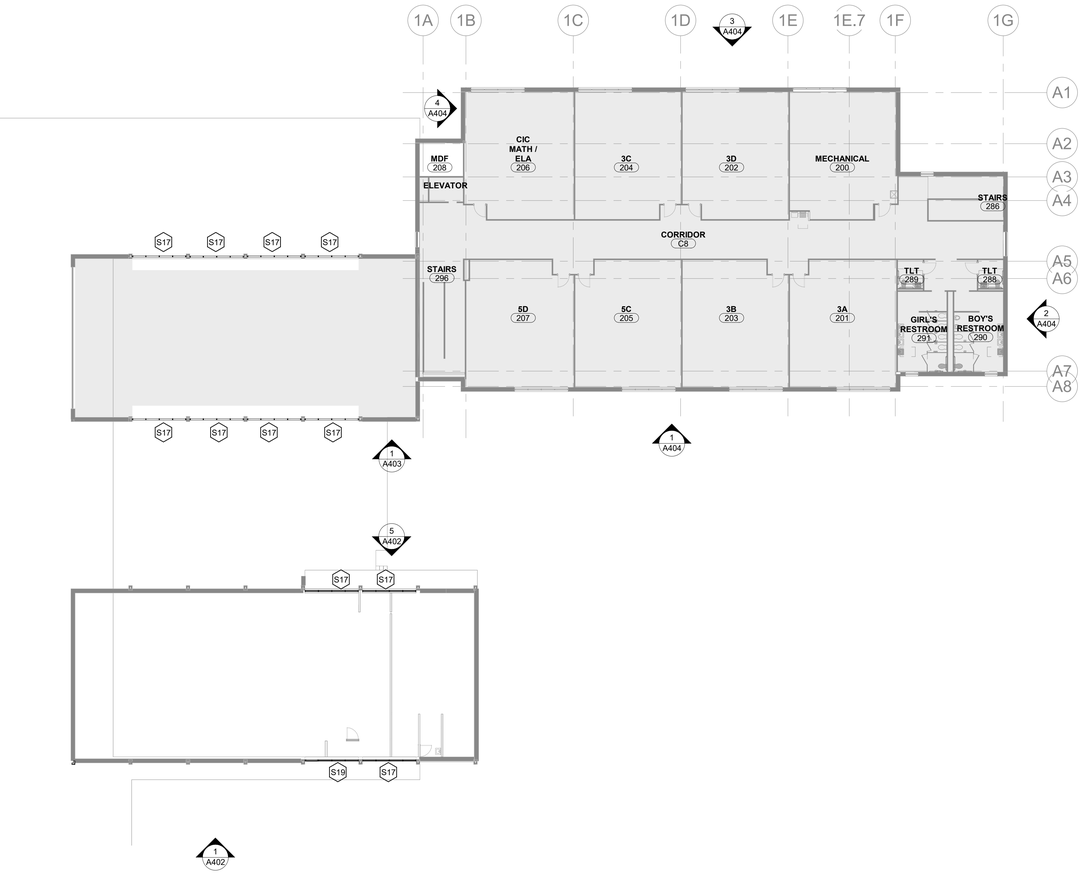
PARTITION SYMBOL LEGEND

A4 / UDN — Partition Type - See schedule sheet A302

N - Non-rated partition
S - Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1 - 1 Hour partition
2 - 2 Hour partition
3 - 3 Hour partition
4 - 4 Hour partition

D - Extend wall to underside of structural deck
C - Top of wall to extend to 12" above finished ceiling height
H - Half wall, refer to floor plan for wall height.

U - Uninsulated
I - Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S - Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.



1 Overall Floor Plan - Level 2
1/16" = 1'-0"

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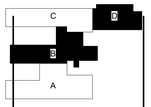

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Floor Plan Level 2
Overall

A202

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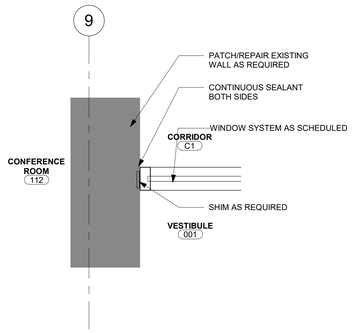
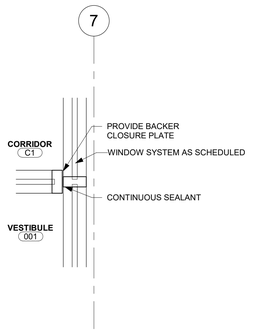
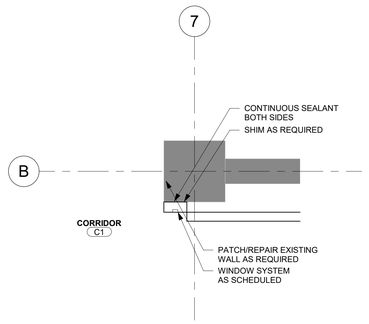


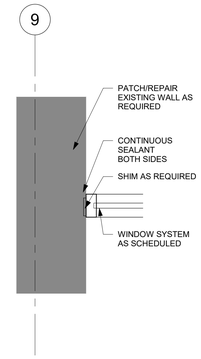
1 Overall Floor Plan - Level 1 - Callout 1 - Callout 2
1" = 1'-0"



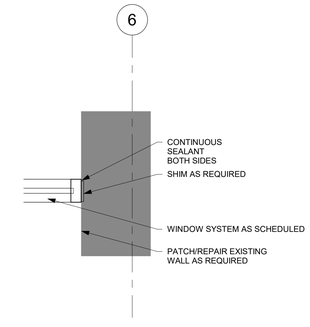
2 Overall Floor Plan - Level 1 - Callout 1 - Callout 3
1" = 1'-0"



3 Overall Floor Plan - Level 1 - Callout 1 - Callout 4
1" = 1'-0"



4 Overall Floor Plan - Level 1 - Callout 1 - Callout 5
1" = 1'-0"



5 Overall Floor Plan - Level 1 - Callout 1 - Callout 6
1" = 1'-0"

6 Overall Floor Plan - Level 1 - Callout 1 - Callout 1
1" = 1'-0"

7 Plan Detail - Level 1 - Main Office
1" = 1'-0"

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06/11/25

DISD L.L. Hotchkiss ES Renovations

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DATE: 06/11/2025

Plan Details

A231

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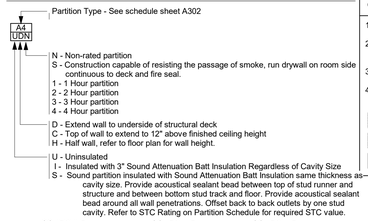
PARTITION SYMBOL LEGEND



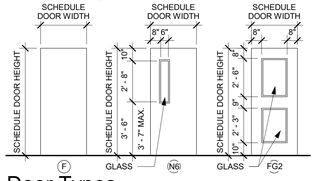
GLAZING GENERAL NOTES

1. ALL EXTERIOR GLAZING SHALL BE 1" INSULATING GLASS, TINTED AND TEMPERED.
2. ALL INTERIOR GLAZING SHALL BE 1/4" POLISHED PLATE TEMPERED OR FIRE GLASS, REFER TO FRAME SCHEDULE AND DOOR SCHEDULE FOR SPECIFIC CONDITIONS
3. ALL EXTERIROR SPANDREL GLAZING WILL ALSO HAVE ATTACK RESISTANT FILM.
4. CONTRACTOR TO VERIFY IN FIELD AT ALL EXISTING WINDOW OPENINGS.

SPANDREL GLASS (INSULATED)

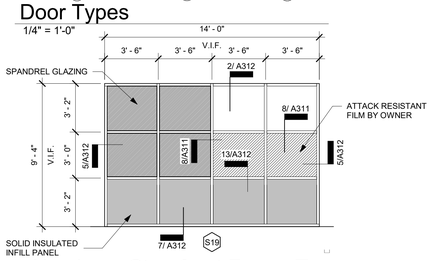
ATTACK RESISTANT FILM ON GLASS

FROSTED GLASS



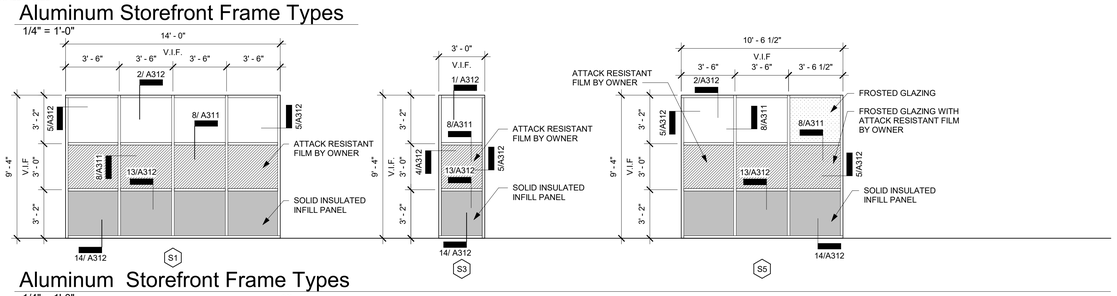
Door Types

1/4" = 1'-0"



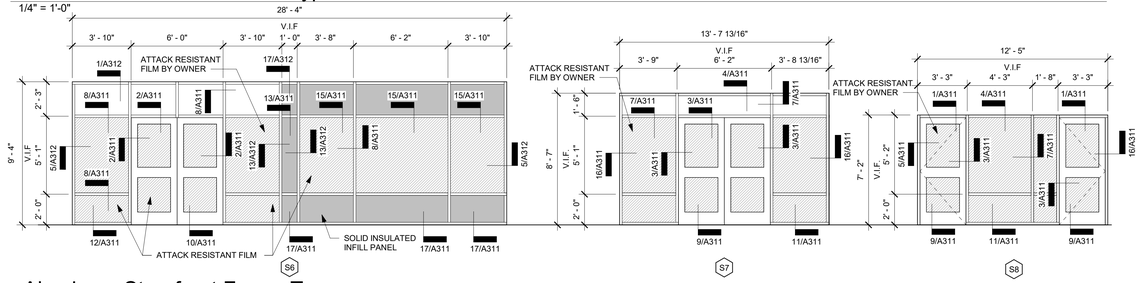
Aluminum Storefront Frame Types

1/4" = 1'-0"



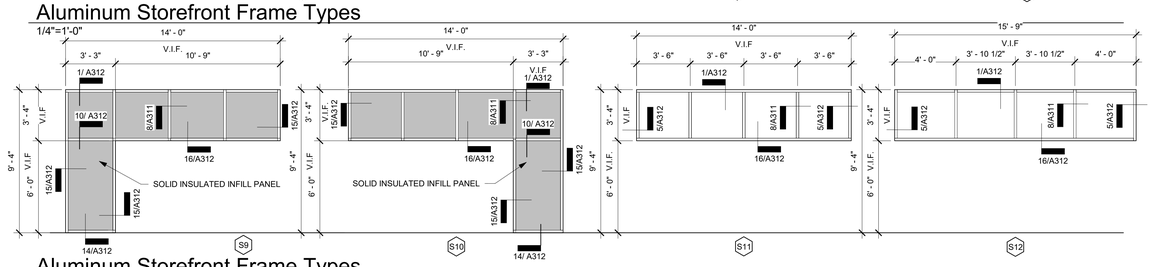
Aluminum Storefront Frame Types

1/4" = 1'-0"



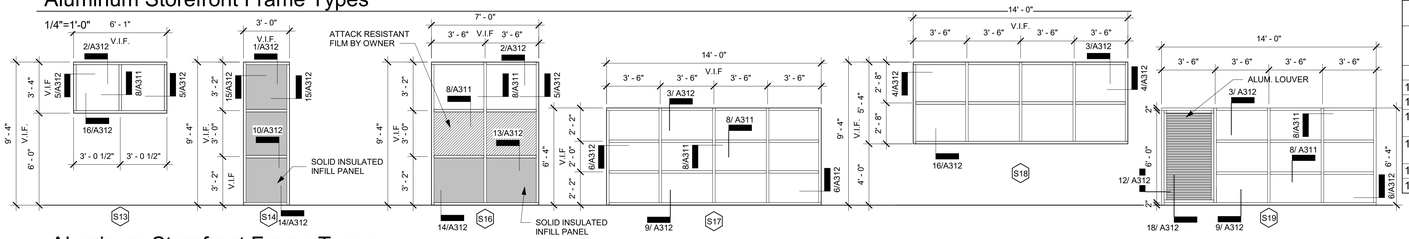
Aluminum Storefront Frame Types

1/4"=1'-0"



Aluminum Storefront Frame Types

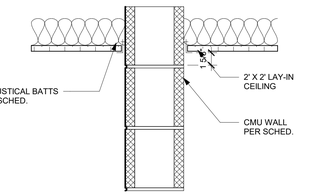
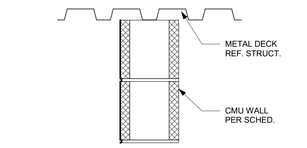
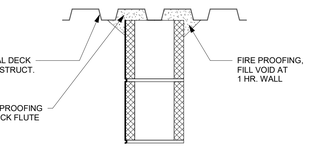
1/4"=1'-0"



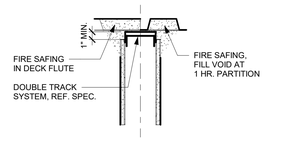
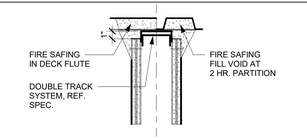
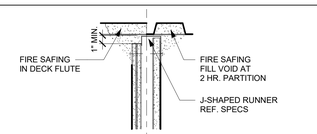
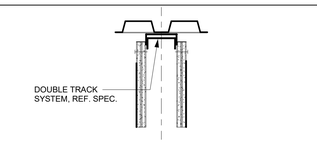
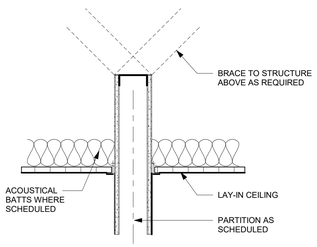
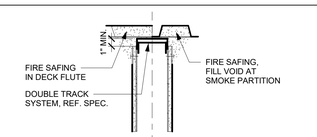
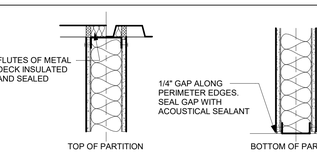
Aluminum Storefront Frame Types

1/4"=1'-0"

PARTITION HEAD DETAIL SCHEDULE(CONT.)

TYPE	DESCRIPTION
CN	
DN	
DS SMOKE RATED	

PARTITION HEAD DETAIL SCHEDULE

TYPE	DESCRIPTION
D1 1 HOUR RATED	
D2 2 HOUR RATED	
D2 2 HOUR RATED SHAFT WALL	
DN	
CN	
DS SMOKE RATED	
S D ACOUSTICALLY SEALED	

PARTITION SCHEDULE

TYPE	WALL THICKNESS	DESCRIPTION	U.L. DESIGN NUMBER WHERE SCHEDULED	STC RATING WITHOUT/WITH INSULATION
A4 3 5/8" STUDS	4 7/8"	1 LAYER OF 5/8" GYPSUM BOARD METAL STUDS AT 16" O.C. 1 LAYER OF 5/8" GYPSUM BOARD	U465 - 1HR	N/A / 45
A6 6" STUDS	7 1/4"			N/A / 45
B4 3 5/8" STUDS	6 1/8"	2 LAYERS OF 5/8" GYPSUM BOARD METAL STUDS AT 16" O.C. 2 LAYERS OF 5/8" GYPSUM BOARD	U425 - 2HR	N/A / 53
B6 6" STUDS	8 1/2"			N/A / 53
C2 2 1/2" STUDS	3 1/8"	METAL STUDS AT 16" O.C. 1 LAYER OF 5/8" GYPSUM BOARD		N/A / ?
C4 3 5/8" STUDS	4 1/4"			N/A / 22
C6 6" STUDS	6 5/8"			N/A / ?
D2	3 3/4"	2 LAYER OF 5/8" GYPSUM BOARD 2 1/2" CH STUDS AT 24" O.C. 1" GYPSUM BOARD	U438 - 2HR	39 / 46
E4 4" CMU	3 5/8"	TYPE E4: WYTHE 4" (NOM.) CMU TYPE E6: WYTHE 6" (NOM.) CMU TYPE E8: WYTHE 8" (NOM.) CMU TYPE E12: WYTHE 12" (NOM.) CMU	U905 - 2HR @ 7 5/8"	43 / N/A
E6 6" CMU	5 5/8"			44 / N/A
E8 8" CMU	7 5/8"			45 / N/A
E12 12" CMU	11 5/8"			51 / N/A
F4 4" CMU	5 1/8"	5/8" GYPSUM BOARD 7/8" FURRING CHANNELS AT 16" O.C. TYPE F4: WYTHE 4" (NOM.) CMU TYPE F6: WYTHE 6" (NOM.) CMU TYPE F8: WYTHE 8" (NOM.) CMU TYPE F12: WYTHE 12" (NOM.) CMU	U914 - 3HR @ 9 1/8"	? / N/A
F6 6" CMU	7 1/8"			? / N/A
F8 8" CMU	9 1/8"			54 / N/A
F12 12" CMU	1'-1 1/8"			? / N/A
G1	1 1/2"	5/8" GYPSUM BOARD 7/8" FURRING HAT CHANNEL EXISTING WALL		N/A / N/A
H2	3 1/8"	1 LAYER OF 5/8" GYPSUM BOARD 2 1/2" CH STUDS AT 24" O.C. 1" GYPSUM BOARD	U469 - 1HR	37 / 40
S4 3 5/8" STUDS	1'-0 1/8"	HEAVY WEIGHT DENSE 6" CMU 1" AIR SPACE 1 LAYER OF 5/8" GYPSUM BOARD		60 / 65
S6 6" STUDS SOUND PARTITION	1'-2 1/2"	METAL STUDS AT 16" O.C. TO DECK 2 LAYERS OF 5/8" GYPSUM BOARD TO DECK		60 / 65

GENERAL PARTITION NOTES:

1. PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF FURRING CHANNEL, OR FACE OF MASONRY; IN THAT ORDER.
2. ADHERE TO MANUFACTURER'S INFORMATION FOR MINIMUM METAL STUD GAUGE TO BE USED FOR THE UNBRACED LENGTH OF THE WALL (MINIMUM GAUGE TO BE 25 GA. IF WELDED).
3. ALL GYPSUM BOARD AT RATED WALLS SHALL BE TYPE 'X'.
4. STUD WALLS RECEIVING CERAMIC WALL TILE SHALL BE CONSTRUCTED WITH 20 GAUGE STUDS.
5. FIRE RATED PARTITION IS TO BE CONTINUOUS IN CONDITIONS WHERE ADDITIONAL WALL FURROUT OCCURS.
6. SMOKE SEAL FIRE CAULKING REQUIRED AT ALL FIRE RATED PARTITIONS (1HR - 4HR) AND AT "S" PARTITION THAT ARE OTHERWISE NON - RATED PARTITIONS.
7. UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS, THE MINIMUM VERTICAL REINFORCEMENT AT CONCRETE MASONRY UNIT WALL SHALL BE #4 BARS AT 32" O.C. WITH #4 BY 48" DOWELS AT 32" O.C. ALIGNED WITH GROUTED CELLS.

Door Schedule Notes	
1	REMOTE PUSH BUTTON RELEASE
2	CARD READER ACCESS CONTROL (REFER TECHNOLOGY)

Door Schedule

Arch No.	Ext.	S/ PR./ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	OVT Hardware Set	Notes
100	X	PR		6' - 0"	7' - 0"	Alum.	S6	4 1/2"	2"	2/A311	2/A311	1 3/4"	Alum.	FG2	CR714AM	1,2
101		PR		6' - 0"	7' - 0"	Alum.	S7	4 1/2"	2"	3/A311	3A311	1 3/4"	Alum.	FG2	C710AMV	2
102		S		3' - 0"	7' - 0"	Alum.	S8	4 1/2"	2"	1/A311	3/A311, 5/A311	1 3/4"	Alum.	FG2	R207A	1
103		S		3' - 0"	7' - 0"	Alum.	S8	4 1/2"	2"	1/A311	3/A311, 16/A311	1 3/4"	Alum.	FG2	CR207A	1,2
131		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	6/A311	18/A311	1 3/4"	WD	F	C201C	2
132		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	6/A311	18/A311	1 3/4"	WD	F	341C	

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REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Door Schedule, Frame Types & Partition Details

A301

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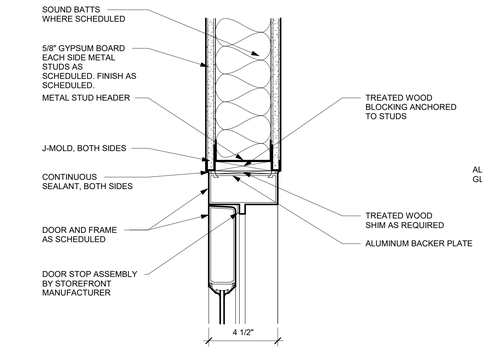
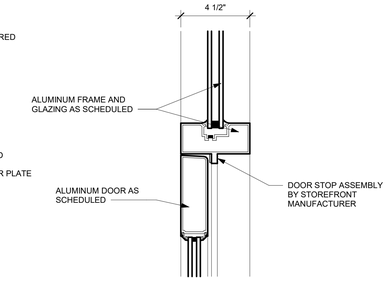
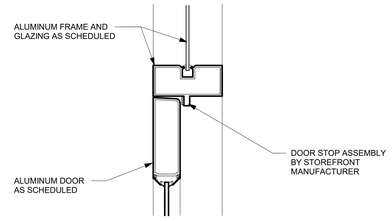


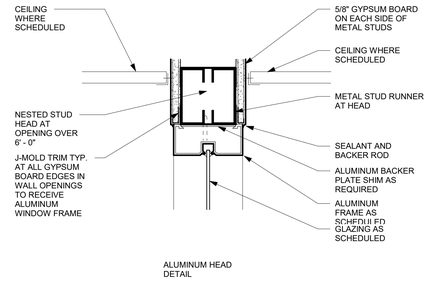
1 Int. 3 5/8" Metal Stud - 4 1/2 Storefront - Door Head
3" = 1'-0"



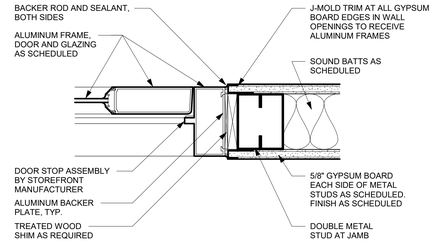
2 Ext. 4 1/2 Alum - Door to Window Head (Jamb Sim)
3" = 1'-0"



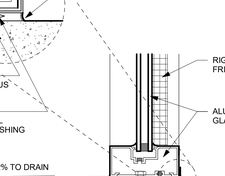
3 Int. Alum. Door to Window Head (Jamb Sim)
3" = 1'-0"



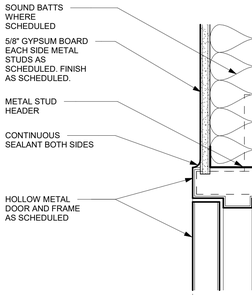
4 Int. Metal Stud at Ceiling - 4 1/2 Alum. Storefront Window Head
3" = 1'-0"



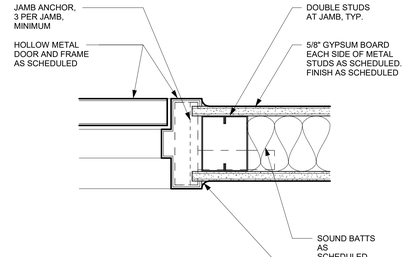
5 Int. 3 5/8" Metal Stud - 4 1/2 Storefront - Door Jamb
3" = 1'-0"



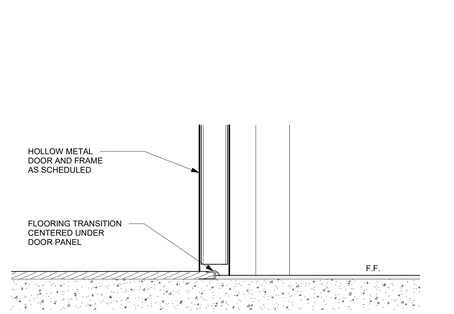
7 Int. - 4 1/2 Alum. Storefront Window Mullion
3" = 1'-0"



8 Ext. 4 1/2 Alum - Window Mullion
3" = 1'-0"

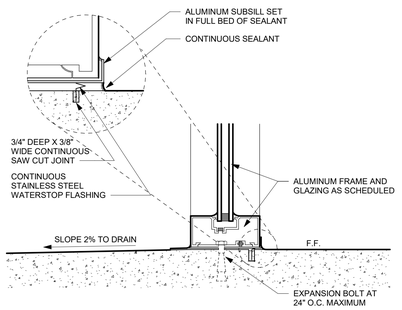


9 Int. 3 5/8" Metal Stud - 4 1/2 Storefront - Door Sill
3" = 1'-0"

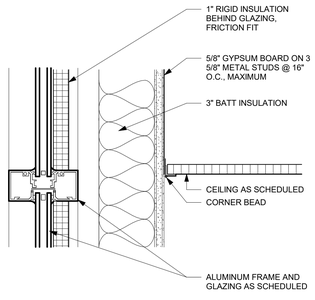


10 Ext. Metal Panel on Metal Stud - 4 1/2 S.F. - Door Sill
3" = 1'-0"

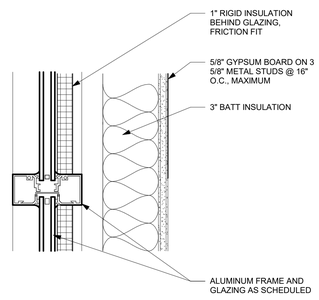
11 Int. - 4 1/2 Alum. Storefront Window Sill
3" = 1'-0"



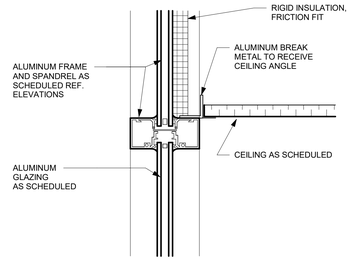
12 Ext. 4 1/2 Alum - Window Sill
3" = 1'-0"



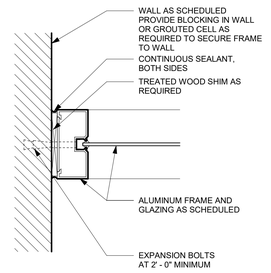
13 Ext. 4 1/2 Alum - Window Head (At Spandrel) Copy 1
3" = 1'-0"



14 Ext. 4 1/2 Alum - Window Mullion (At Spandrel)
3" = 1'-0"



15 Ext. At Ceiling with Spandrel Glass- 4 1/2 Alum - Window Mullion
3" = 1'-0"



16 Int. - 4 1/2 Alum. Storefront Window Mullion Perp. to Wall
3" = 1'-0"

17 Ext. 4 1/2 Alum - Window Sill with Spandrel Glass
3" = 1'-0"

6 Int. 3 5/8" Metal Stud - 5 7/8 H.M. - Door Head
3" = 1'-0"

18 Int. 3 5/8" Metal Stud - 5 7/8 H.M. - Door Jamb
3" = 1'-0"

19 Int. 3 5/8" Metal Stud - 5 7/8 H.M. - Door Sill
3" = 1'-0"

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REGISTERED ARCHITECT JAIME GARCIA 27913 STATE OF TEXAS 06/11/25

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REVISIONS:

No.	Date

JOB NO. 2239
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Door/Window Details

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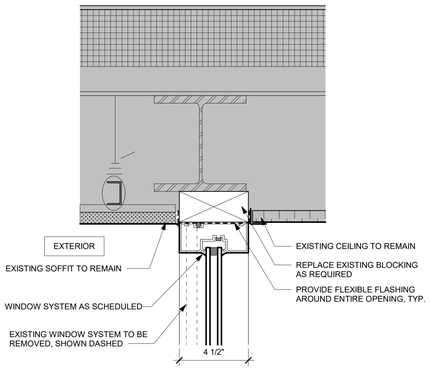
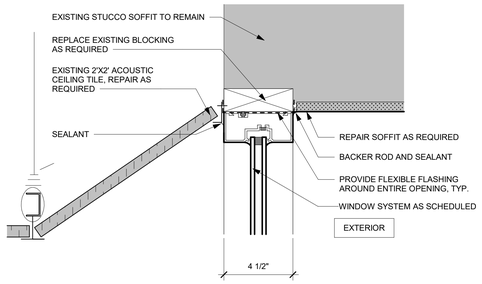
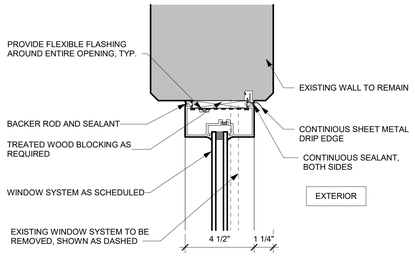


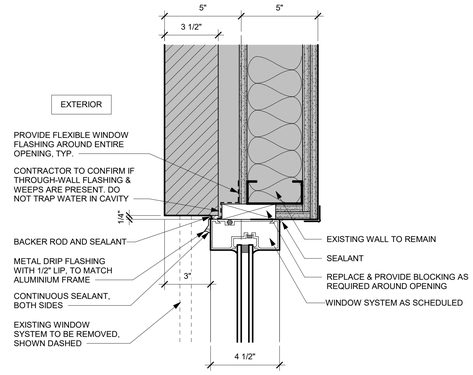
1 Ext. Existing Window Head at 3/4" Stucco Soffit
3" = 1'-0"



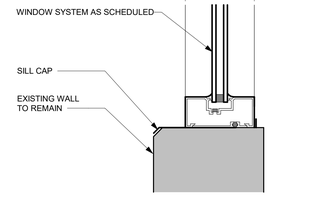
2 Ext. Existing Window Head 4 1/2 Alum. at Classroom
3" = 1'-0"



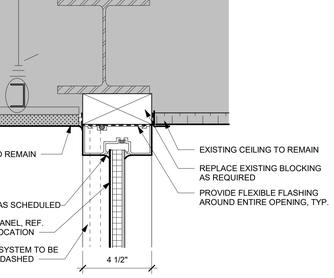
3 Ext. Existing Window Head 4 1/2 Alum. Clerestory at Gym
3" = 1'-0"



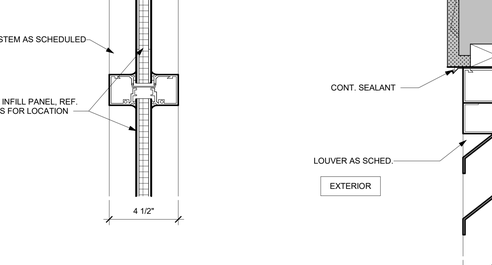
4 Ext. Exisiting Window Jamb at Brick Veneer
3" = 1'-0"



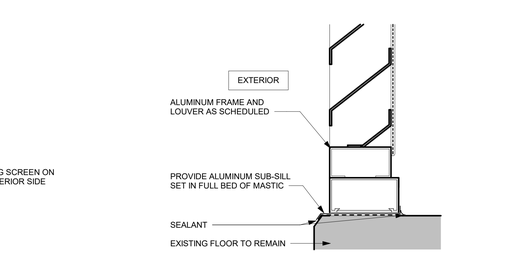
5 Ext. Existing Window Perp. Jamb 4 1/2 Alum. at Classroom
3" = 1'-0"



6 Ext. Existing Window Jamb 4 1/2 Alum. Clerestory at Gym
3" = 1'-0"



7 Ext. Existing Insulated Panel Sill
3" = 1'-0"



8 Ext. Existing Window Sill with Spandrel Glass at 4 1/2 Alum. at Classroom
3" = 1'-0"

9 Ext. Existing Window sill at Gym Clerestory
3" = 1'-0"

12 Louver Jamb Detail
3" = 1'-0"

13 Insulated Infill Panel Detail
3" = 1'-0"

14 Insulated Infill Panel Sill Detail
3" = 1'-0"

15 Insulated Infill Panel Jamb Detail
3" = 1'-0"

16 Ext. Existing Window Sill 4 1/2 Alum.
3" = 1'-0"

17 Insulated Infill Panel Head Detail
3" = 1'-0"

10 Insulated Infill Panel Detail 2
3" = 1'-0"

11 Louver Detail
3" = 1'-0"

18 Louver Sill Detail
3" = 1'-0"

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REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Existing Window Details

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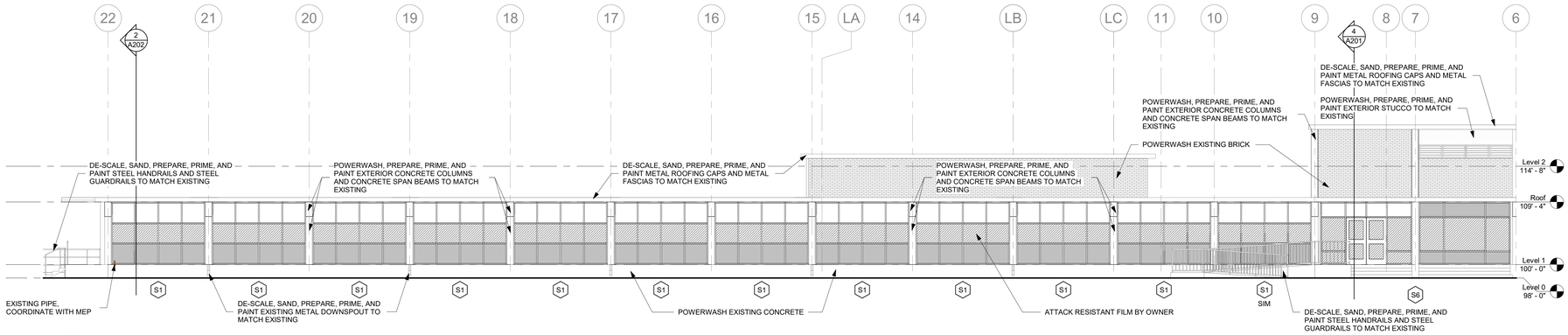

1 South Elevation Area A
1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND	
STANDARD INSULATED GLAZING UNIT (IGU)	
STANDARD IGU WITH ATTACK RESISTANT FILM BY OWNER	
SPANDREL IGU WITH ATTACH RESISTANT FILM	
FROSTED IGU W/ & W/O ATTACK RESISTANT FILM	
SOLID INSULATED INFILL PANEL IN STOREFRONT SYSTEM	
EXISTING MASONRY TO REMAIN	
EXISTING STUCCO TO REMAIN	

NOTE:
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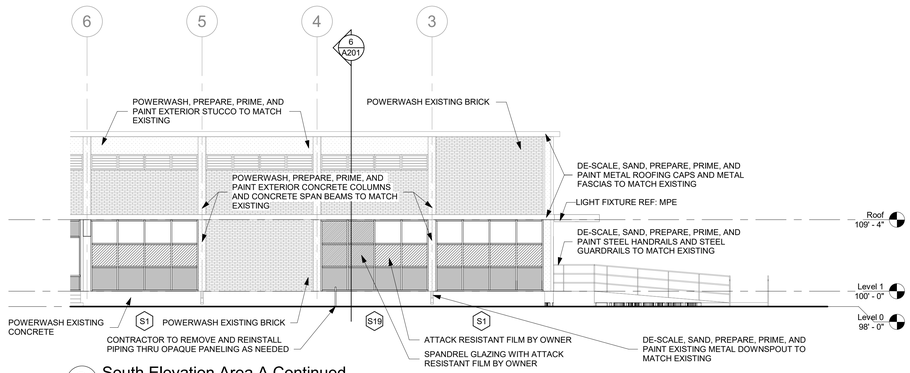
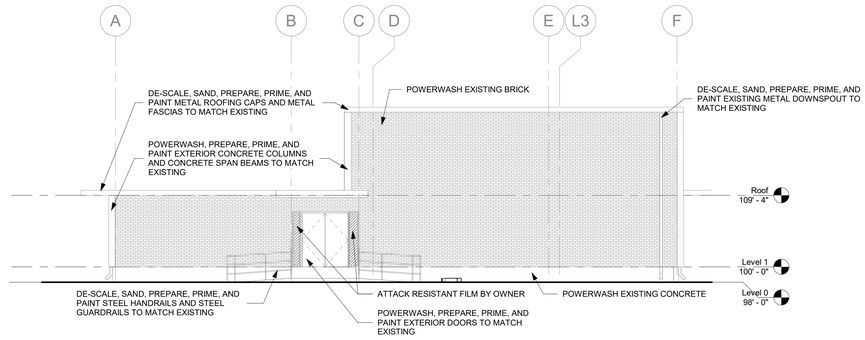
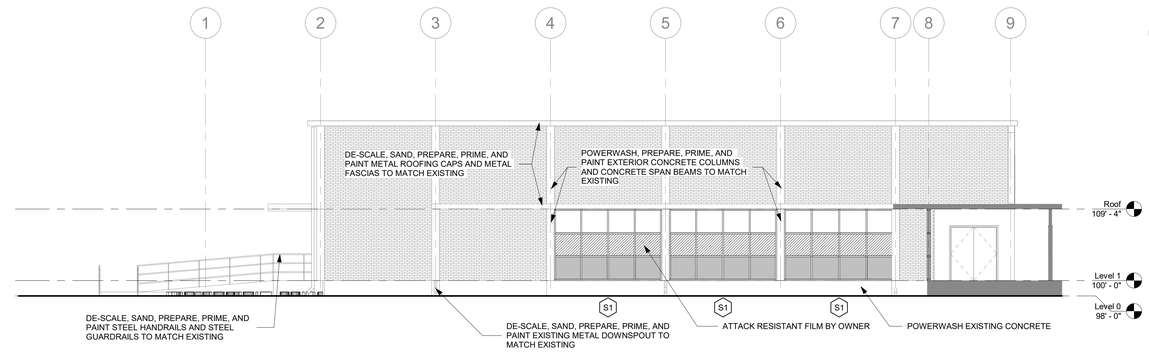
3.) REMOVE AND REPLACE ANY ITEMS AS REQUIRED FOR WINDOW REPLACEMENTS, REGARDLESS IF ALL ITEMS ARE SHOWN ON DRAWINGS OR NOT.
4.) REPAINT ALL PREVIOUSLY PAINTED EXTERIOR SURFACES OF THE BUILDING & SITE INCLUDED BUT NOT LIMITED TO SOFFITS, COPING, FLASHING, PREVIOUSLY PAINTED EXPOSED CONCRETE, HANDRAILS, STEEL LINTELS, DOORS AND FRAMES.
5.) REPAINTED ITEMS SHALL INCLUDE APPROPRIATE PAINT PREPARATION INCLUDING PATCHING AND REPAIR AS REQUIRED.
6.) ALL ALUMINUM STOREFRONT SYSTEMS MUST BE INSTALLED FROM EXTERIOR SIDE OF WALL.



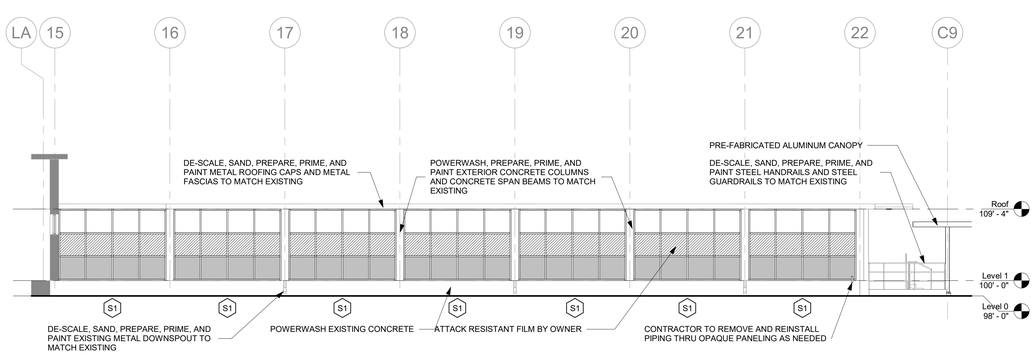
2 South Elevation Area A Continued
1/8" = 1'-0"



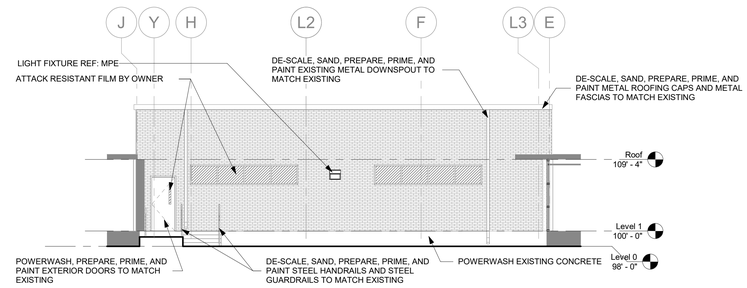
3 East Elevation Area A
1/8" = 1'-0"



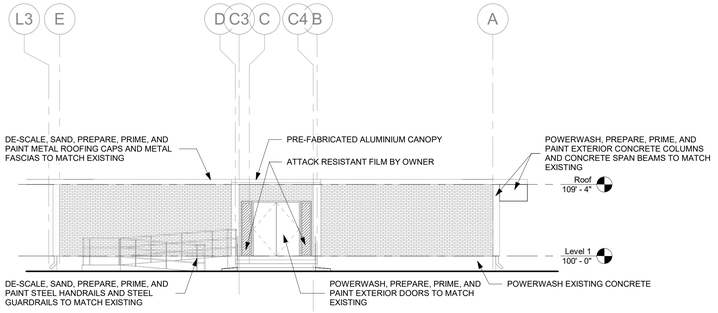
4 North Elevation Area A
1/8" = 1'-0"



5 North Elevation Area A Continued
1/8" = 1'-0"



7 West Elevation Area A
1/8" = 1'-0"



6 West Elevation Area A Continued
1/8" = 1'-0"

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REGISTERED ARCHITECT
JAIME GARCIA
#27913
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:
No. Date

JOB NO. 2239
DATE: 06/11/2025

Exterior Elevations - Area A

A401

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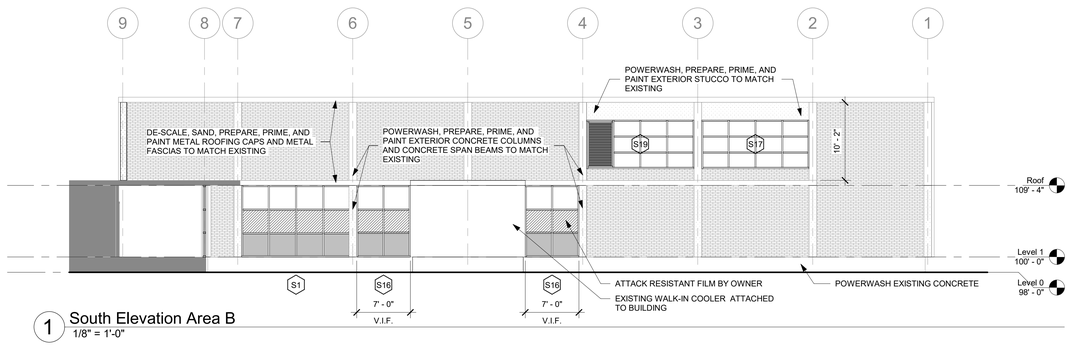
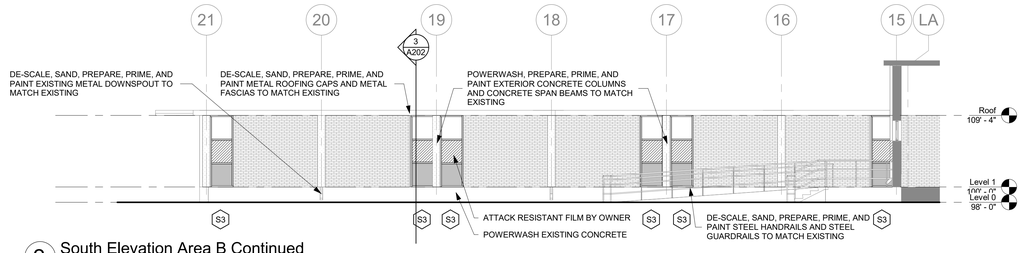
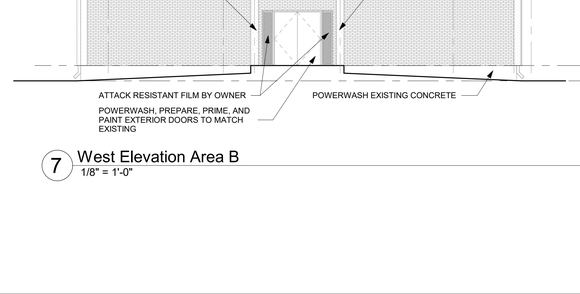


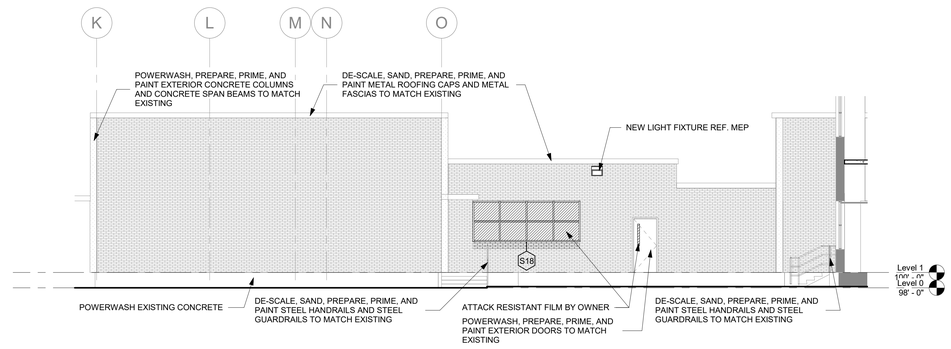
1 South Elevation Area B
1/8" = 1'-0"



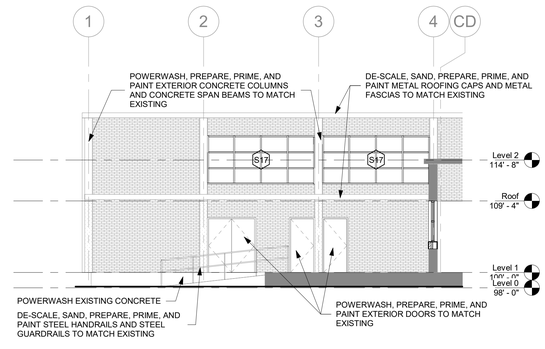
2 South Elevation Area B Continued
1/8" = 1'-0"



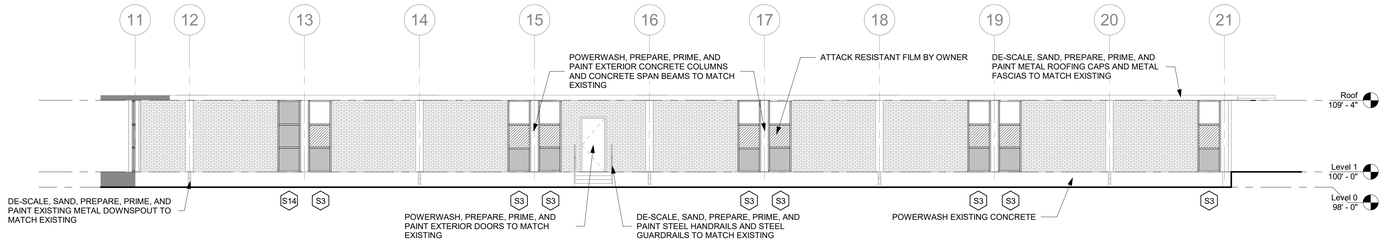
3 East Elevation Area B
1/8" = 1'-0"



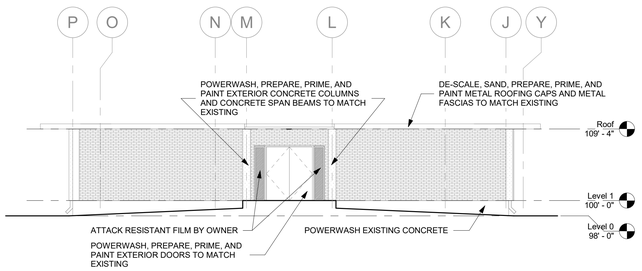
4 East Elevation Area B Continued
1/8" = 1'-0"



5 North Elevation Area B
1/8" = 1'-0"



6 North Elevation Area B Continued
1/8" = 1'-0"



7 West Elevation Area B
1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND	
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STANDARD IGU WITH ATTACK RESISTANT FILM BY OWNER	
SPANDREL IGU WITH ATTACH RESISTANT FILM	
FROSTED IGU W/ & W/O ATTACK RESISTANT FILM	
SOLID INSULATED INFILL PANEL IN STOREFRONT SYSTEM	
EXISTING MASONRY TO REMAIN	
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REGISTERED ARCHITECT JAIME GARCIA #27913 STATE OF TEXAS 06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Exterior Elevations - Area B

A402

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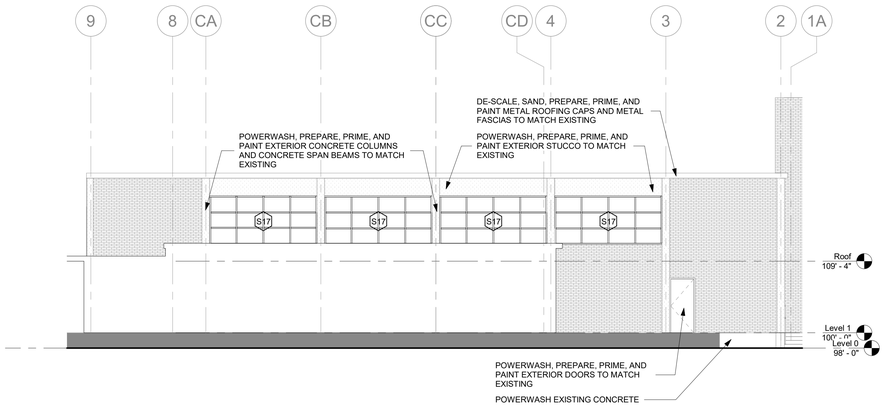
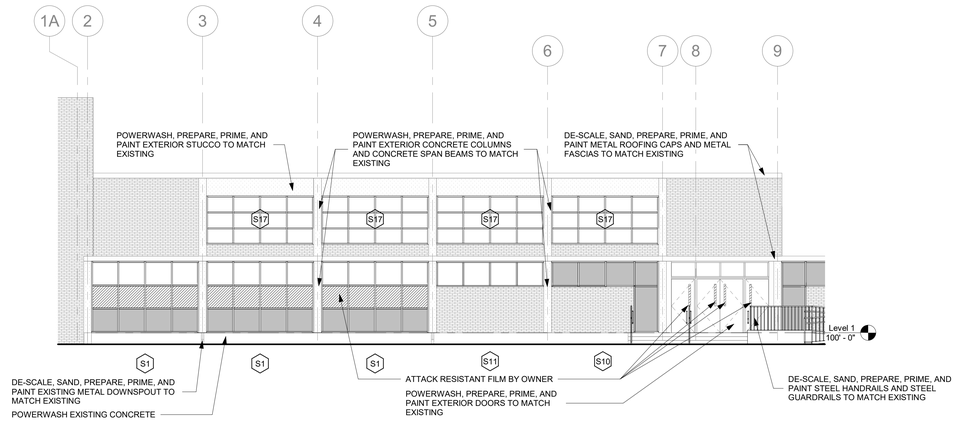
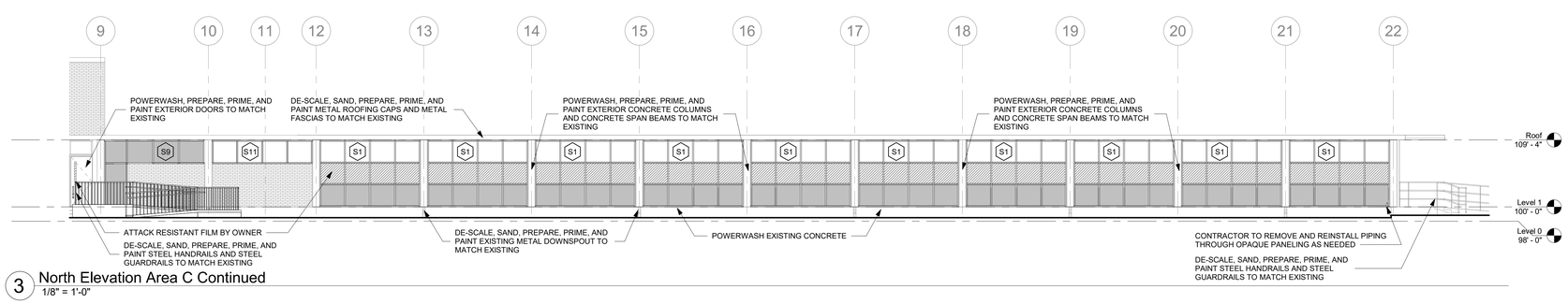


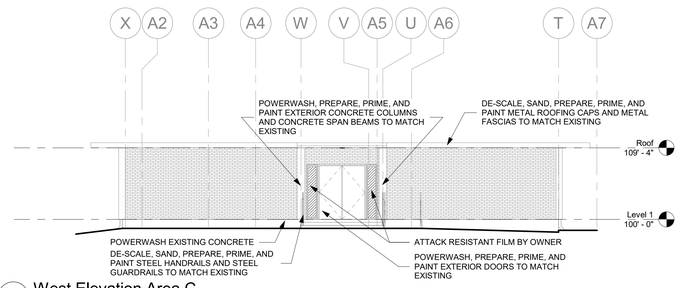
1 South Elevation Area C
1/8" = 1'-0"



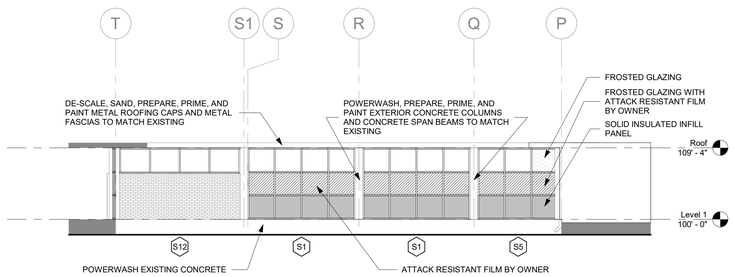
2 North Elevation Area C
1/8" = 1'-0"



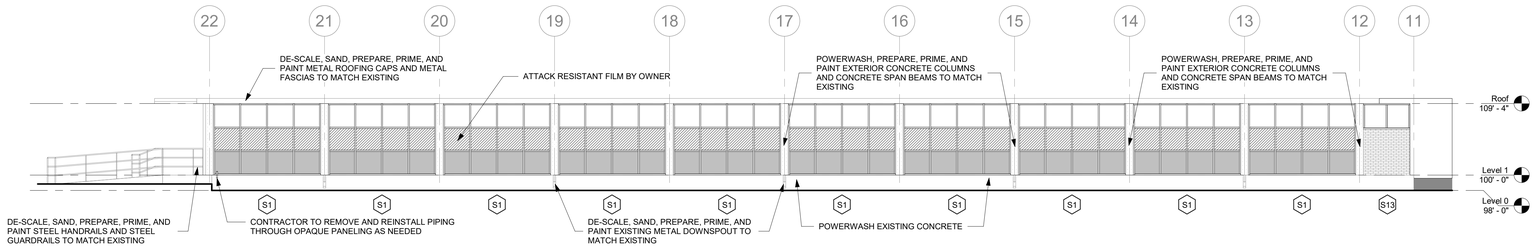
3 North Elevation Area C Continued
1/8" = 1'-0"



4 West Elevation Area C
1/8" = 1'-0"



5 West Elevation Area C Continued
1/8" = 1'-0"



7 South Elevation Area C continued
1/8" = 1'-0"

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STANDARD INSULATED GLAZING UNIT (IGU)	
STANDARD IGU WITH ATTACK RESISTANT FILM BY OWNER	
SPANDREL IGU WITH ATTACH RESISTANT FILM	
FROSTED IGU W/ & W/O ATTACK RESISTANT FILM	
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REGISTERED ARCHITECT
JAIME GARCIA
47913
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

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REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Exterior Elevations - Area C

A403

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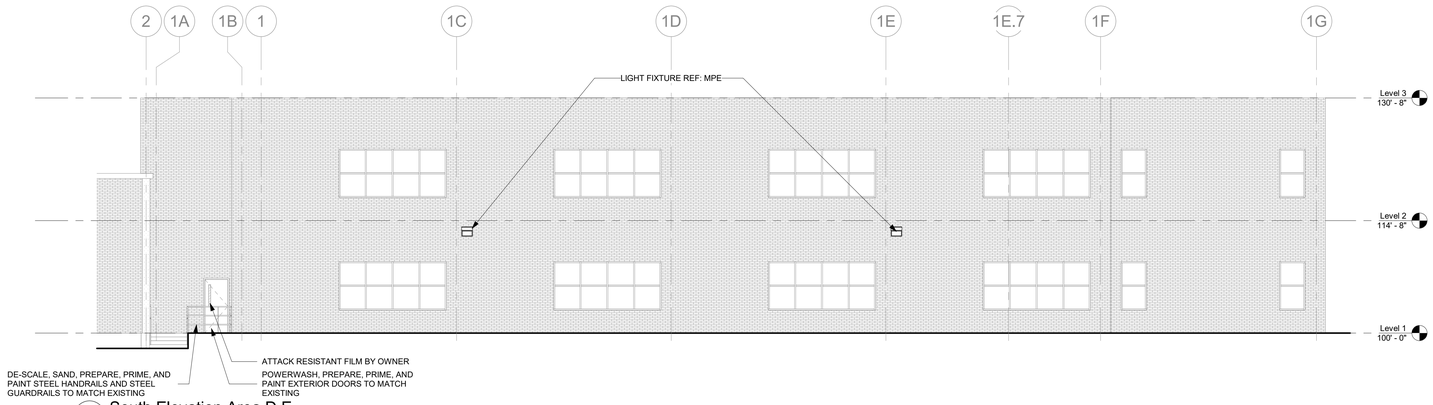
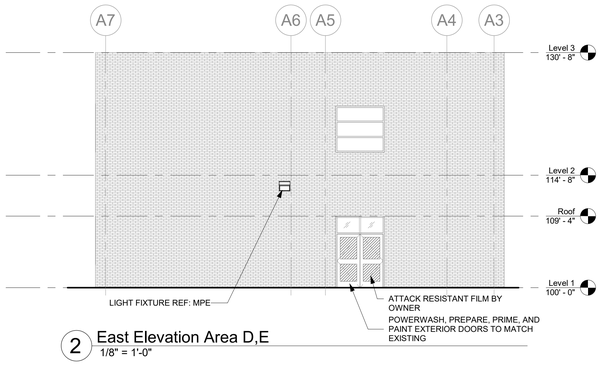
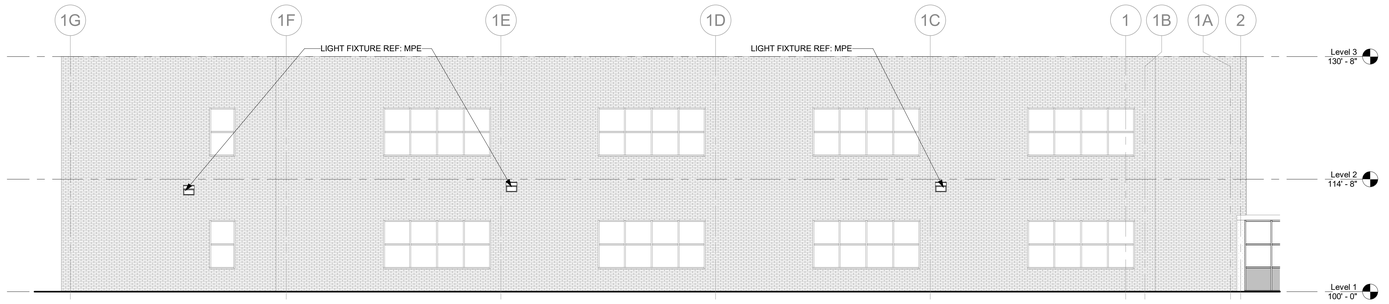


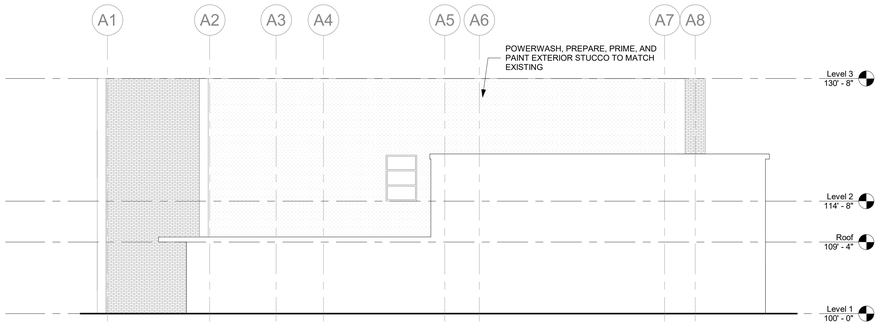
1 South Elevation Area D,E
1/8" = 1'-0"



2 East Elevation Area D,E
1/8" = 1'-0"



3 North Elevation Area D,E
1/8" = 1'-0"



4 West Elevation Area D,E
1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND

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STANDARD IGU WITH ATTACK RESISTANT FILM BY OWNER	
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FROSTED IGU W/ & W/O ATTACK RESISTANT FILM	
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Exterior Elevations - Area D,E

A404

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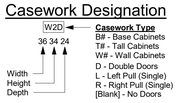
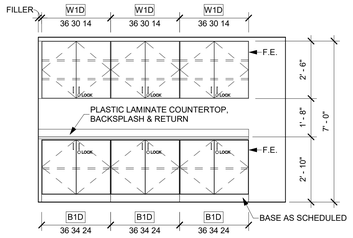
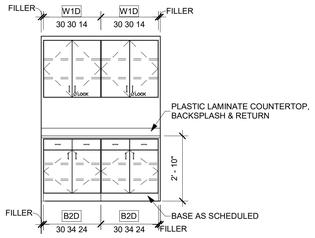
CASEWORK LEGEND	GENERAL NOTES
CASEWORK MATERIAL SOLID LUMBER	1. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING MATERIALS AND CONSTRUCTION. 2. ALL EXPOSED EXTERIOR AND INTERIOR SURFACES SHALL BE FINISHED AS SPECIFIED. COLOR AS SCHEDULED OR AS SELECTED BY ARCHITECT. 3. ALL SEMI-EXPOSED INTERIOR SURFACES SHALL BE FINISHED AS SPECIFIED. COLOR AS SCHEDULED OR AS SELECTED BY ARCHITECT. 4. PROVIDE BACKSPLASH RETURNS WHERE COUNTERTOP ABUTS WALL. 5. ALL SHELVES SHALL BE 1 INCH THICK MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE. 6. CABINET BASE SHALL BE LUMBER UNLESS PROJECT IS TO MEET LEED OR CHPS REQUIREMENTS. NOTE: ALL SHELVES SHALL HAVE EDGE BANDING ON BOTH FRONT AND BACK IN ORDER TO ALLOW SHELVES TO HAVE A FINISHED APPEARANCE IN THE EVENT THAT THEY NEED TO BE REVERSED.

Casework Designation

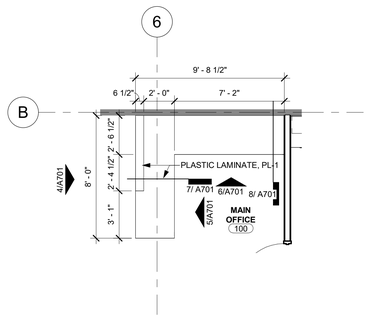


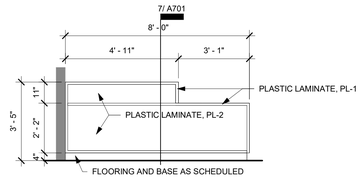


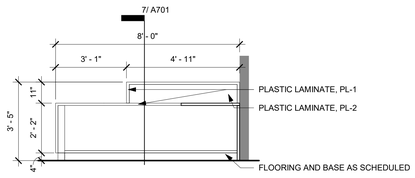
1 Main Office - East
3/8" = 1'-0"

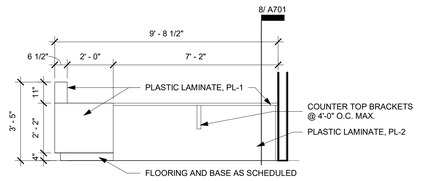


2 TLT - North
3/8" = 1'-0"

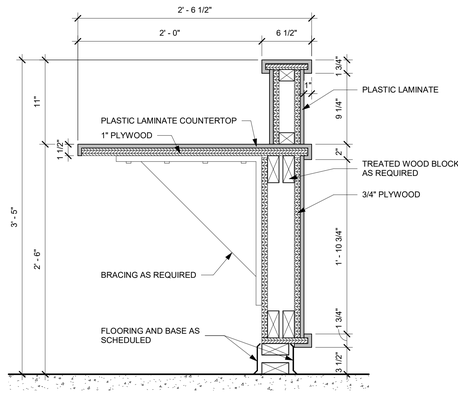




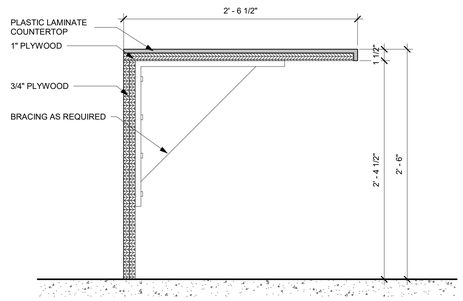




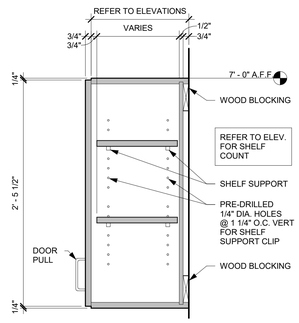
3 Enlarged Plan - Reception Desk
1/4" = 1'-0"



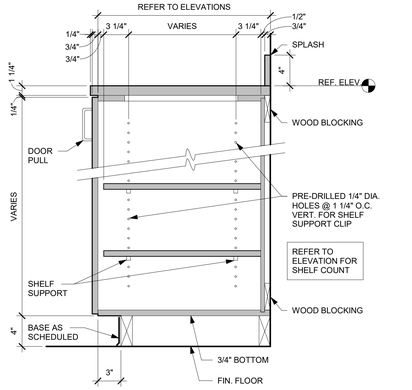
4 Main Office - Reception Desk - Front
3/8" = 1'-0"

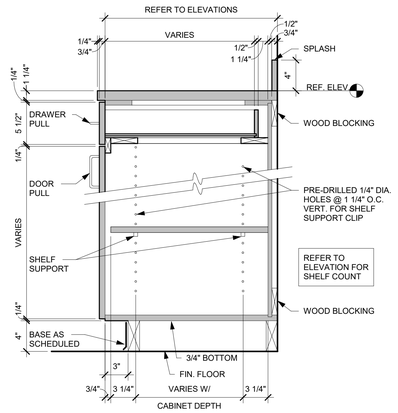


5 Main Office - Reception Desk - Back
3/8" = 1'-0"



6 Main Office - Reception Desk - Side
3/8" = 1'-0"





7 Reception Desk - Section 1
1 1/2" = 1'-0"

8 Reception Desk - Section 2
1 1/2" = 1'-0"

9 W1 CASEWORK SECTION
1 1/2" = 1'-0"

10 B1 CASEWORK SECTION
1 1/2" = 1'-0"

11 B2 CASEWORK SECTION
1 1/2" = 1'-0"

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JAIME GARCIA
47913
STATE OF TEXAS
06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO.	2239
DATE:	06/11/2025

Casework Sections & Elevation

A701

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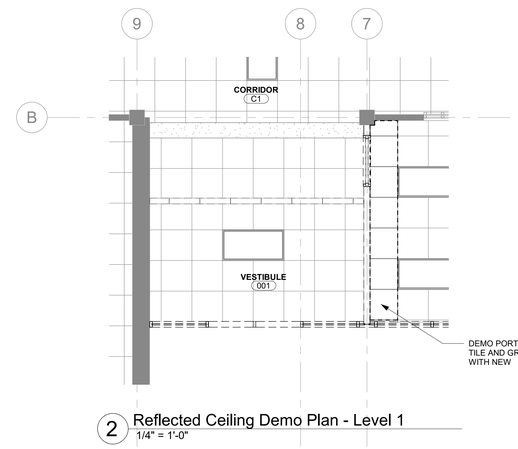
1 Reflected Ceiling Plan - Level 1
1/16" = 1'-0"

Reflected Ceiling Plan Legend

1' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	ROOF ACCESS HATCH
1' X 4' SUSPENDED STRIP LIGHT FIXTURE - REF. ELEC.	2' X 2' LAY-IN CEILING AND GRID
PENDANT LIGHT FIXTURE REF. ELEC.	2' X 2' VINYL FACED LAY-IN CEILING AND GRID
FLUSH LIGHT FIXTURE REF. ELEC.	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	STUCCO/PLASTER,TEXTURE AND PAINT
2' X 4' RECESSED LIGHT FIXTURE EMERGENCY - REF. ELEC.	X'-XX" A.F.F. CEILING HEIGHT ABOVE FINISH FLOOR
SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.	PROJECTOR, BY OWNER
RECESSED DOWN LIGHT FIXTURE - REF. ELEC.	PROJECTOR SCREEN
CEILING MOUNTED EXIT LIGHT - REF. ELEC.	H.V.A.C. DIFFUSER - REF. MECH.
SURFACE MOUNTED EXIT LIGHT - REF. ELEC.	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
EMERGENCY LIGHT FIXTURE - REF. ELEC.	

Demo Notes

Tag	Note
D01	<varies>
D02	REMOVE EXISTING CEILING
D03	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D04	<varies>
D05	REMOVE EXISTING LIGHT FIXTURES
D06	<varies>
D07	<varies>
D08	<varies>
D09	<varies>
D10	REMOVE EXISTING WALL, SHOWN DASHED
D11	<varies>
D12	REMOVE EXISTING WINDOW SYSTEM AND FRAME
D13	REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME
D14	REMOVE PORTION OF EXISTING WALL SHOWN DASHED
D15	REMOVE EXISTING WATERCLOSET AND ALL ACCESSORIES
D16	REMOVE EXISTING LAVATORIES
D17	REMOVE EXISTING TILE AND BACKER BOARD AS NEEDED. REPLACE ANY RUSTED/DAMAGED STUDS.
D18	REMOVE PORTION OF EXISTING CEILING, SHOWN DASHED



2 Reflected Ceiling Demo Plan - Level 1
1/4" = 1'-0"

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REVISIONS:

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Overall RCP

A800

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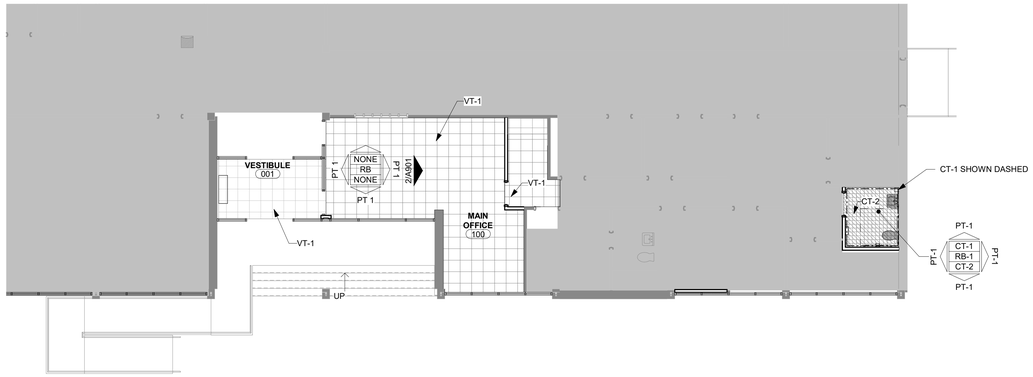
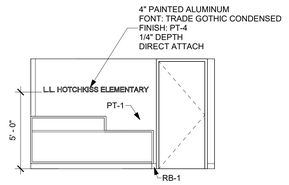


1 Finish Floor Plan - Level 1
1/8" = 1'-0"

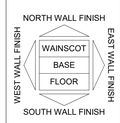


2 Interior Elevation - Main Office 100 - East
1/4" = 1'-0"

Material Selection Legend

Code	Type	Manufacturer	Line	Color Name	Color Number	Notes
VT-1	VCT TILE	Armstrong	-	Jubilee White	52514	Field
RB-1	Rubber Base	Johnsonite	-	Black	40	Field
CT-1	Tile	Pantheon Tile	-	Hue Industrial	Zinco Matte	Field Wainscot
CT-2	Tile	Pantheon Tile	-	Hue Industrial	Preto Matte	Field
PT-1	Paint	Sherwin Williams	-	DISD Soft	White Sesame	Field
PT-2	Paint	Sherwin Williams	-	Pantone	247	Field
PT-3	Paint	Sherwin Williams	-	Terra Burn	SW 6048	Field
PL-1	Plastic Laminate	TBD	-	TBD - White	TBD	Field
PL-2	Plastic Laminate	TBD	-	TBD - Blue	TBD	Field
PT-4	Paint	Sherwin Williams	-	Blueblood	SW 6966	Field
PT-5	Paint	Sherwin Williams	-	Night Owl	SW 7061	Field
PT-6	Paint	Sherwin Williams	Bond-Plex	Aluminum		Field

FINISH FLOOR PLAN SYMBOLS LEGEND



1/A101 SIM	Callout Tag	ROOM NAME (A101) 21111	Room Tag and Number
X/AXXX	Interior/Casework Elevation		Furniture and Equipment, By Owner
	Floor Drain		Extents of CT-1
	Enlarged Detail View		Extents of CT-XXX
℄	Centerline		Extents of CT-XXX

GENERAL NOTES:

The following color selections shall be typical unless noted otherwise:

1. Rubber Base = RB - 1
2. Existing exterior hand rails at Main Office Entrance PT-4
3. Exterior of Storefront mullions PT-4
4. Existing exterior hand rails PT-3
5. Existing exterior Doors PT-3
6. All existing exterior light poles to be painted PT-6

General Notes:

1. Refer to attachments in construction finish schedule for all patterns.
2. On Room Finish Schedule; North, East, South, West designations refer to plan directions (i.e. top of page = North, bottom of page = South).
3. Provide ceramic tile metal trim accessory at outside corners, at top of wainscot, and at exposed edge at ceramic tile transitions. Ref. A910
4. Provide Corner Guards at all ouside edges where gyp. board is exposed. Corner Guards to be painted to match wall finsihes, ref. A900 sheets.
5. Control joints are required at the bottom and top of all wall penetrations and ocurring no more than 25'-0" apart on all walls, in both vertical and horizontal direction, unless noted in interior elevations.
6. Provide pre-formed inside and outside corner for rubber base.

RESILIENT TILE
VT-1

CERAMIC TILE
CT-1 (FIELD)
CT-2

CARPET TILE
CP-1

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06/11/25

DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Finish Floor Plan and Elevations Level 1

A901

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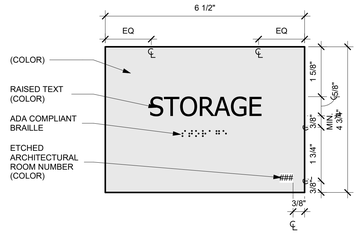
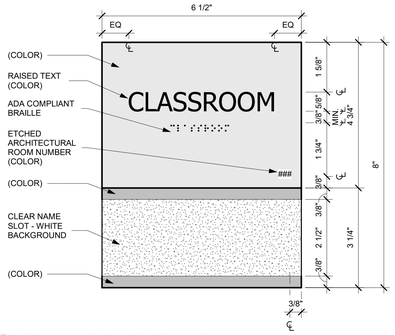
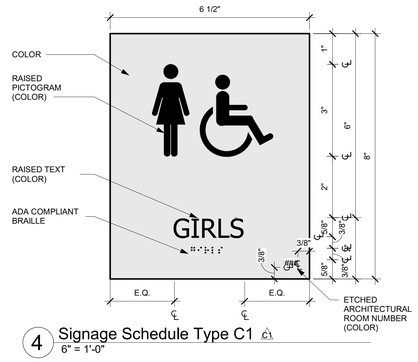


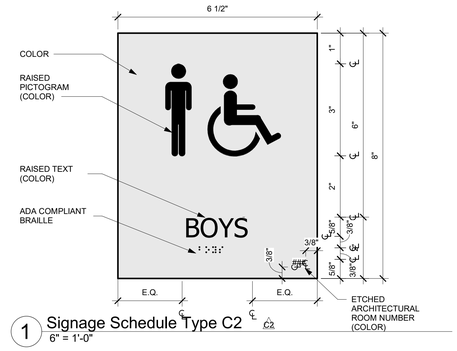
2 Signage Schedule Type A (A)
6" = 1'-0"



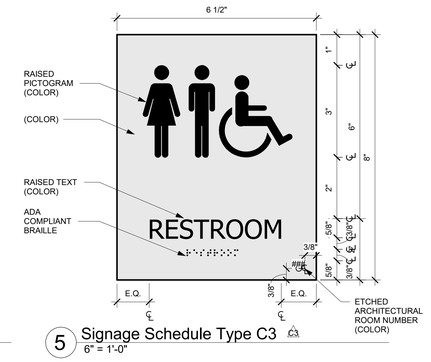
3 Signage Schedule Type B (B)
6" = 1'-0"



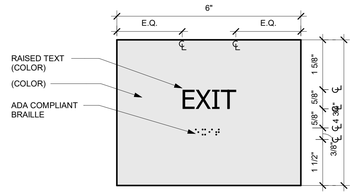
4 Signage Schedule Type C1 (C1)
6" = 1'-0"



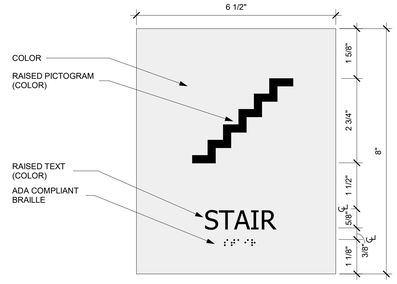
1 Signage Schedule Type C2 (C2)
6" = 1'-0"



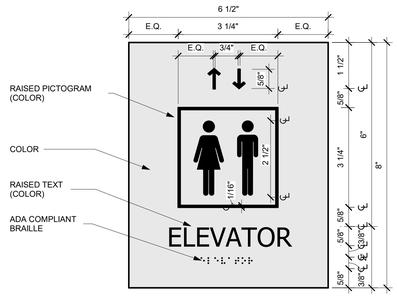
5 Signage Schedule Type C3 (C3)
6" = 1'-0"



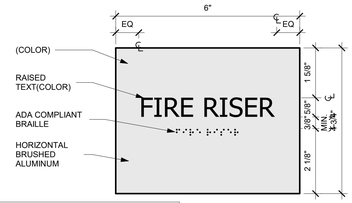
6 Signage Schedule Type X (X)
6" = 1'-0"



8 Signage Schedule Type D (D)
6" = 1'-0"

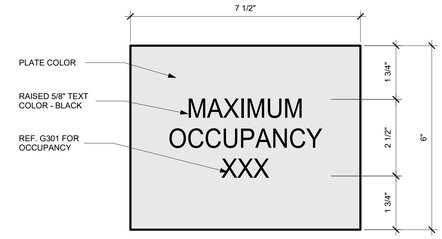


7 Signage Schedule Type F (F)
6" = 1'-0"

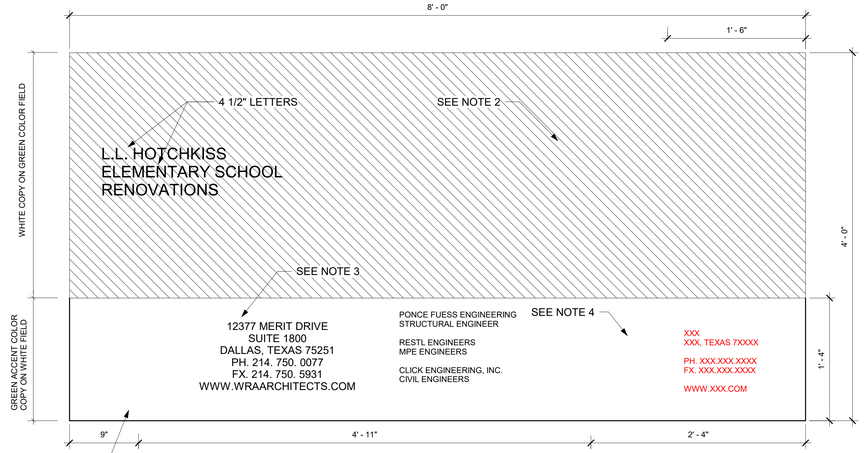


ALL EXTERIOR SIGNS TO BE ZINC AND TO BE MECHANICALLY FASTENED TO WALL

9 Signage Schedule Type E (Exterior) (E)
6" = 1'-0"

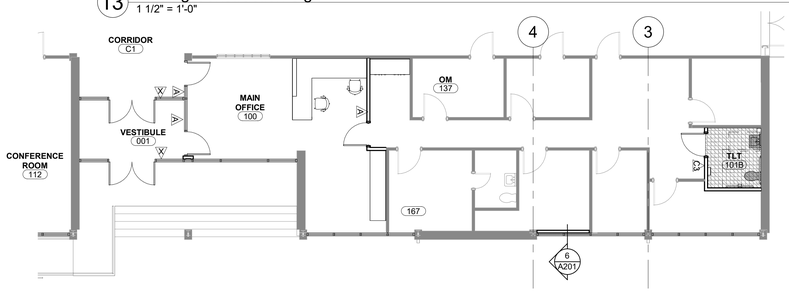


10 Signage Schedule Type O (O)
6" = 1'-0"

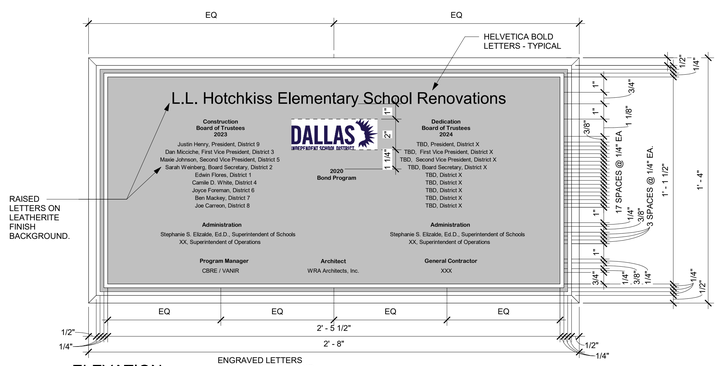


NOTES:
1. USE HELVETICA & ROMAN TYPEFACE AS SHOWN ON DWG.
2. REFER TO D.I.S.D. FOR ACTUAL PROJECT LOGO, INFO.
3. REFER TO WRA ARCHITECTS FOR ACTUAL PROJECT LOGO, INFO
4. REFER TO CONST. FOR ACTUAL PROJECT LOGO, INFO.

13 Building Construction Sign
1 1/2" = 1'-0"



11 Signage Floor Plan - Level 1 - Main Office
1/8" = 1'-0"



ELEVATION

ENGRAVED LETTERS
RAISED SURFACES AND
LETTERS TO BE POLISHED

SECTION

CONCEALED MOUNTING MATERIAL: CAST ALUMINUM ALLOW 43 W/ ALUMITE 215 RI FOR DARK BACKGROUND

12 Building Dedication Plaque
3" = 1'-0"

PLAQUE NOTES

1. HELVETICA BOLD LETTERS
2. CENTER TEXT ON SIGN UNLESS NOTED OTHERWISE
3. RAISED SURFACES AND RAISED LETTERS TO BE POLISHED

NOTE: VERIFY COPY LAYOUT W/ OWNER PRIOR TO FABRICATION

Room Signage

Arch. Room Number
Signage Room Number
Signage Schedule
A101
101

Room Signage Schedule

Name	Number	Sign Type	Qty	Rm. Number. if req'd	Signage Schedule	Notes
VESTIBULE	001	X	1		EXIT	
MAIN OFFICE	100	A	2	100	RECEPTION	

GENERAL NOTES:

1. WHERE SIGN IS MOUNTED ON GLASS, PROVIDE MATCHING BACKER PLATE ON REVERSE SIDE
2. REFER TO SIGNAGE SCHEDULE TO CORRELATE SIGN TO DOOR
3. ALL SIGNS WILL BE COLORED TO MATCH EXISTING SIGNS
4. ALL SIGN TEXT WILL BE COLORED TO MATCH SIGNS
5. ALL INTERIOR SIGNS ARE SAND BLASTED RIGID VINYL
6. REFER TO SHEET G201-ACS FOR SIGNAGE INSTRUCTIONS
7. ALL BRAILLE SHALL HAVE A 3/8" MIN. SEPARATION FROM ANY OTHER TACTILE CHARACTER, RAISED BORDER, OR DECORATIVE ELEMENT
8. ALL EXTERIOR SIGNS TO BE ZINC AND TO BE MECHANICALLY FASTENED TO WALL

SIGN TYPE: (A), (B), (C1), (C2), (C3), (D), (F), (O),

SIGN TYPE E (EXTERIOR): (E),

SIGN TYPE X (EXIT) : (X),

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06/11/25

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6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

Sign Types and Room Signage Schedule

A930

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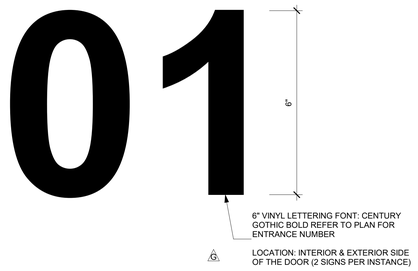

1 Exterior Door Numbers
6" = 1'-0"



2 Overall Floor Plan - Exterior Door Number
1/16" = 1'-0"

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JOB NO. 2239
DATE: 06/11/2025

Exterior Door Numbering Signage

A931

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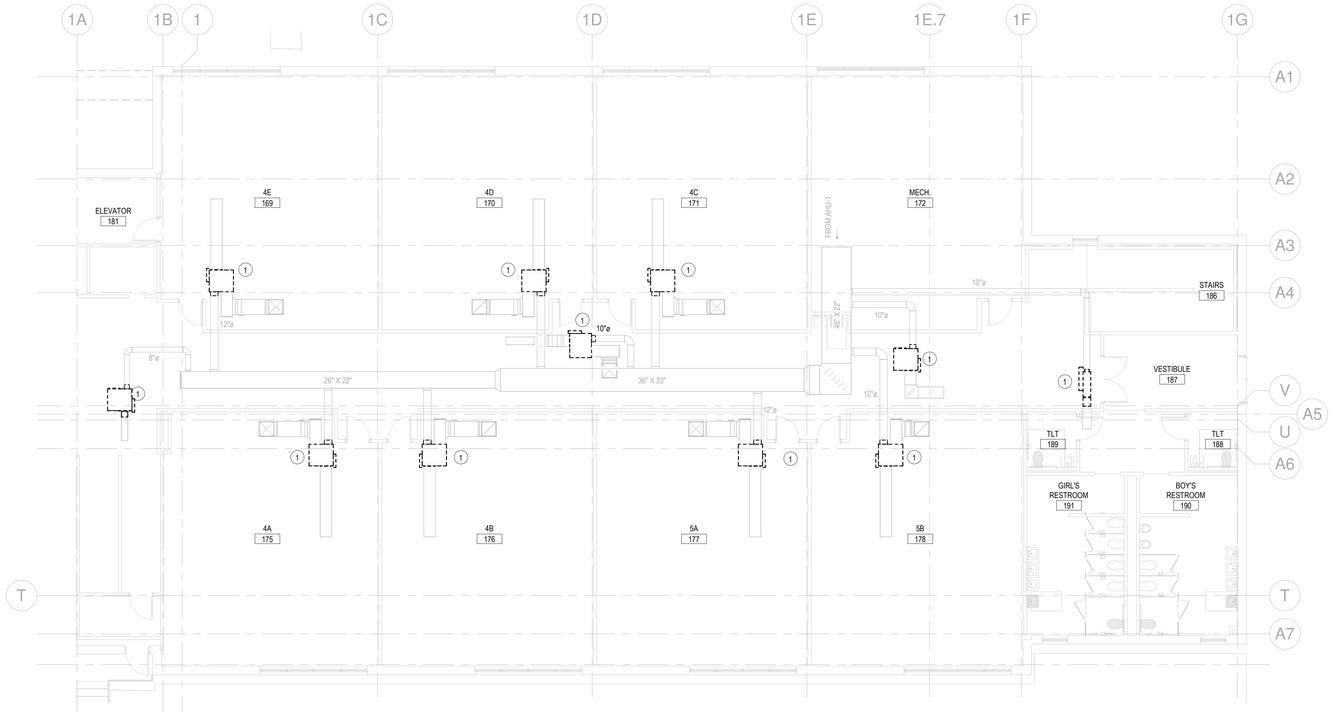

1 PARTIAL LEVEL 1 HVAC - CLASSROOM DEMO
1/8" = 1'-0"



2 PARTIAL LEVEL 2 HVAC PLAN - CLASSROOM DEMO
1/8" = 1'-0"

PLAN NOTES

1 DEMOLISH EXISTING VAV BOX DISCONNECT CONTROL WIRING, EXISTING DUCTWORK AND AIR DEVICES SERVING CLASSROOMS TO REMAIN.

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6929 Town North Dr, Dallas, TX 75231

REVISIONS:

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DATE: 06/11/2025

PARTIAL HVAC PLANS - CLASSROOM DEMOLITION

H1.10

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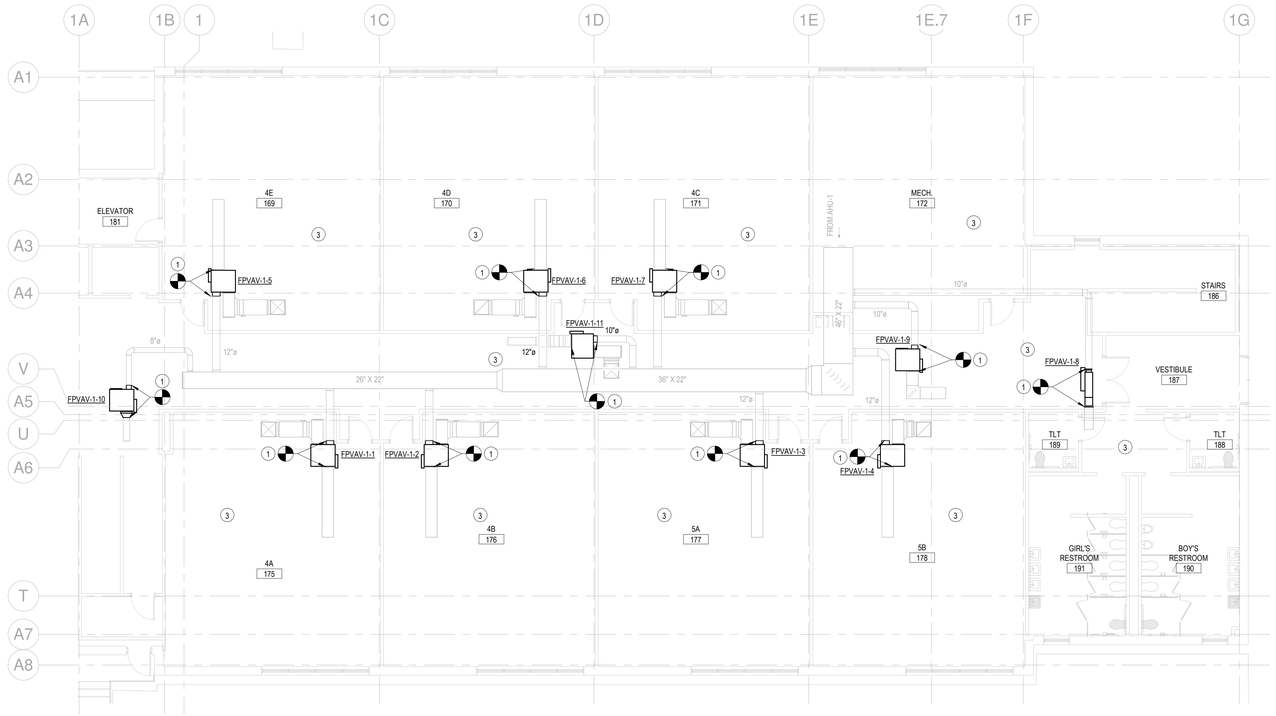
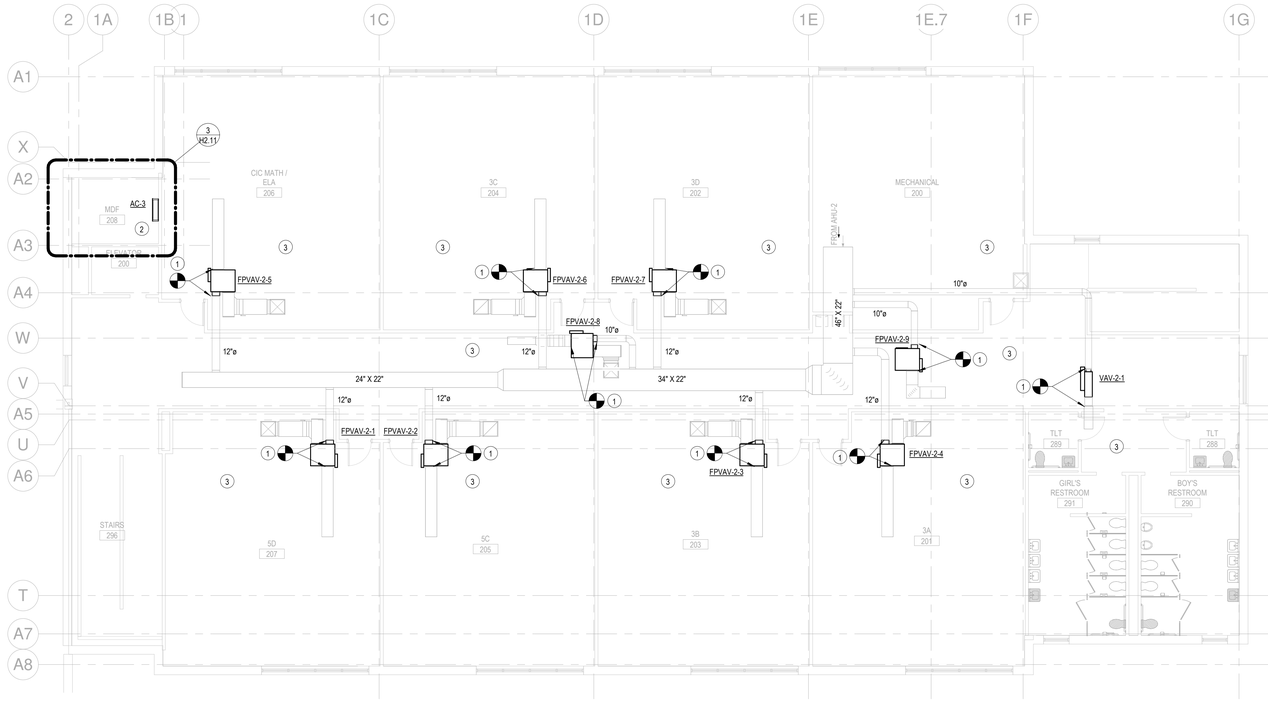


1 PARTIAL LEVEL 1 HVAC PLAN - CLASSROOM
1/8" = 1'-0"



2 PARTIAL LEVEL 2 HVAC PLAN - CLASSROOM
1/8" = 1'-0"

PLAN NOTES

1. INSTALL NEW VAV AIR TERMINAL DEVICE IN PLACE OF DEMOLISHED EQUIPMENT. RECONNECT EXISTING DUCTWORK AND AIR DEVICES SERVING CLASSROOM TO NEW VAV AIR TERMINAL DEVICE. CONNECT NEW RUNOUT FROM VAV BOX TO MAIN DUCTWORK. PROVIDE ALL TAPS, TRANSITIONS AND HARDWARE. RECONNECT CONTROL WIRING TO THERMOSTAT.
2. WALL MOUNTED AC UNIT MOUNTED 12" BELOW CEILING. PROVIDE MANUFACTURERS WIRELESS CONTROLLER WITH WALL MOUNTING HARDWARE. ROUTE REFRIGERANT PIPING UP THROUGH ROOF TO AIR COOLED CONDENSING UNIT. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN AND TERMINATE OPEN SITE.
3. REBALANCE THE AIRFLOW AT ALL DIFFUSERS IN THIS ROOM TO MATCH THE ORIGINAL AIR VOLUME (CFM) REQUIREMENTS.

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No.	Date

JOB NO. 22DLS038
DATE: 06/11/2025

PARTIAL HVAC PLANS - CLASSROOMS

H2.10

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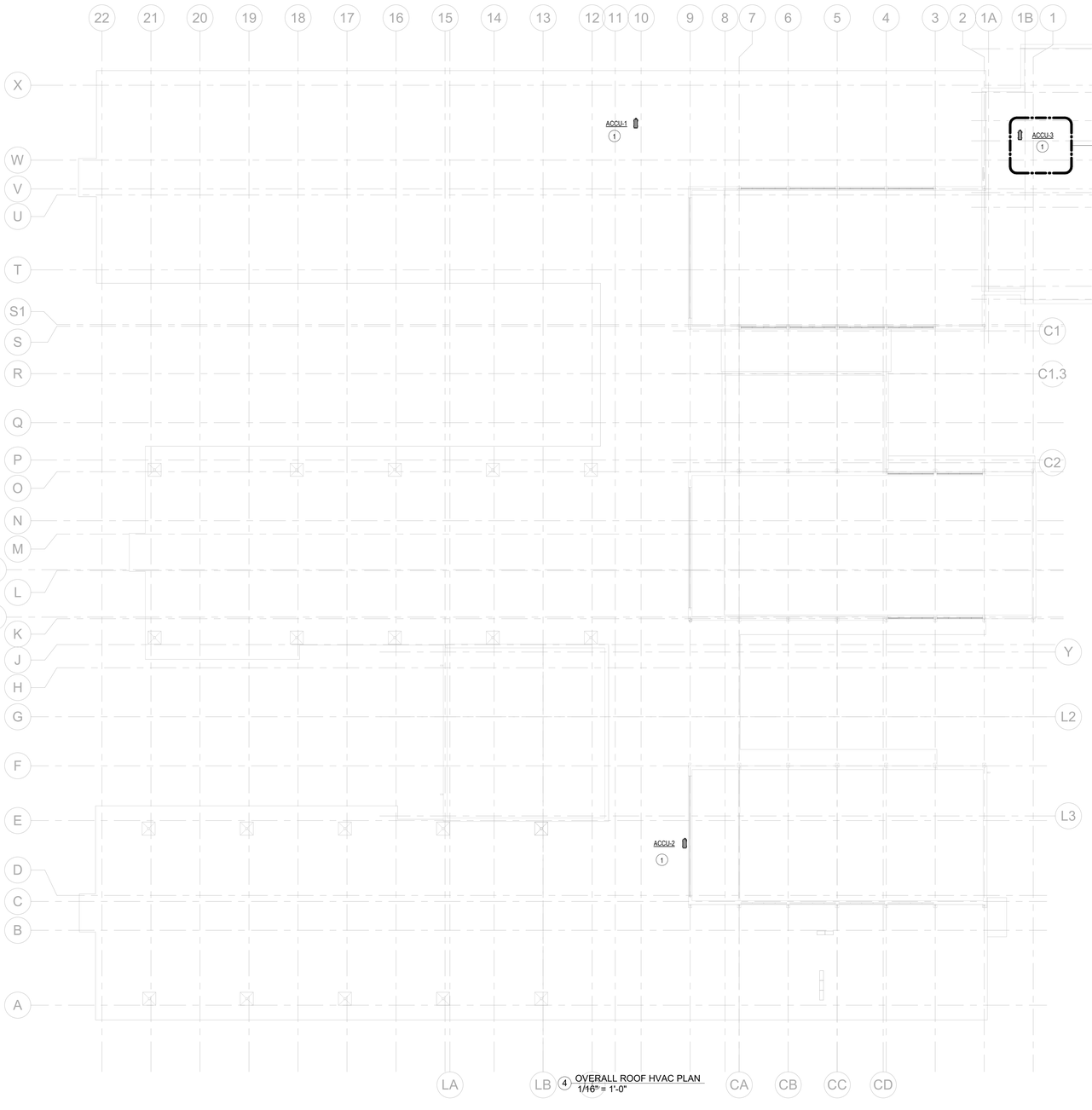
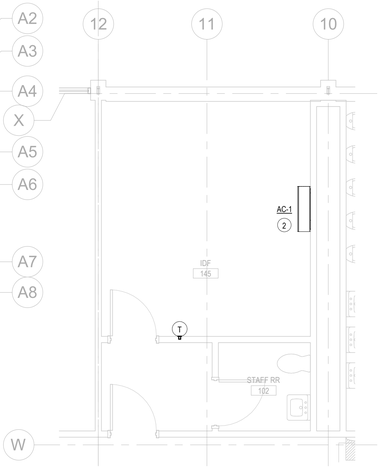
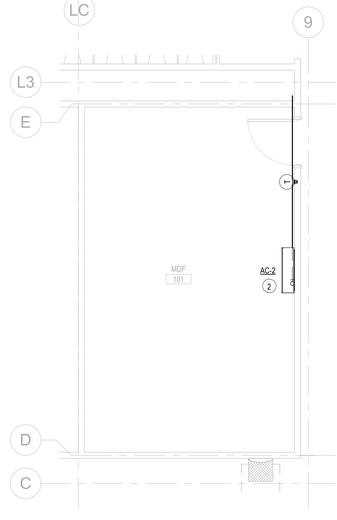


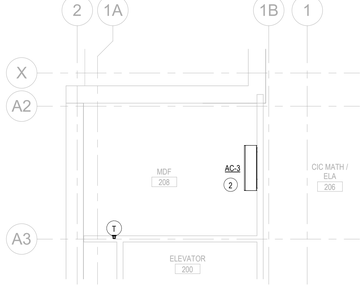
4 OVERALL ROOF HVAC PLAN
1/16" = 1'-0"



1 PARTIAL LEVEL 1 HVAC PLAN - IDF 145
1/4" = 1'-0"



2 PARTIAL LEVEL 1 HVAC PLAN - MDF 101
1/4" = 1'-0"



3 PARTIAL LEVEL 2 HVAC PLAN - MDF 208
1/4" = 1'-0"

PLAN NOTES

1. INSTALL NEW AIR COOLED CONDENSING UNIT SERVING AN INDOOR AC UNIT. MOUNT ACCU ON CONDENSING UNIT STAND. PROVIDE PIPE PENETRATION CURB FOR REFRIGERANT PIPING AND POWER CONDUIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED INDOOR AC UNIT. MAINTAIN MINIMUM 10'-0" FROM ANY ROOF EDGE.
2. WALL MOUNTED AC UNIT MOUNTED 12" BELOW CEILING. PROVIDE MANUFACTURERS WIRELESS CONTROLLER WITH WALL MOUNTING HARDWARE. ROUTE REFRIGERANT PIPING UP THROUGH ROOF TO AIR COOLED CONDENSING UNIT. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN AND TERMINATE OPEN SITE.

MECHANICAL GENERAL NOTES

1. FOR THE WHOLE SCHOOL, ANY VAV BOXES SHALL BE REPLACED IN KIND WITH NEW. MATCH ALL CHARACTRISTICS OF THE EXISTING BOX BEING REPLACED. COORDINATE WITH CONTROLS CONTRACTOR AND ELECTRICIAN. REFER TO DISD TDG DIVISION 23 - AIR TERMINAL UNITS (VAV BOXES).
2. CONTRACTOR SHALL SURVEY ALL EXISTING MECHANICAL EQUIPMENT AND SYSTEMS PRIOR TO WORK OPERATIONS INDICATED ON PLANS TO NOT DISTURB EXISTING SYSTEMS TO REMAIN.
3. ALL WORK DEBRIS SHALL BE COMPLETELY REMOVED AND DISPOSED OF AT THE END OF EACH WORK DAY.
4. IF THE EXISTING ROOF IS UNDER WARRANTY, ALL CUTTING, PATCHING AND RESEALING SHALL BE PERFORMED BY A WARRANTY CERTIFIED INSTALLER TO MAINTAIN THE WARRANTY. CONTRACTOR SHALL EXERCISE DUE CAUTION WHEN WORKING ON ROOF AND SHALL COMPLY WITH WARRANTY RECOMMENDED METHODS AND MATERIALS TO PROTECT THE ROOF FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO THE ROOF PER THE REQUIREMENTS. COORDINATE WITH OWNER / ARCHITECT TO DETERMINE ANY WARRANTY REQUIREMENTS.

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DISD L.L. Hotchkiss ES Renovations

6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 22DLS038
DATE: 06/11/2025

OVERALL ROOF & PARTIAL HVAC PLANS

H2.11

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HVAC SCHEDULES AND DETAILS

H6.00

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CONDENSING UNIT SCHEDULE

TAG	LOCATION	SERVES	MIN. CAPACITY (BTU/HR.)	OUTDOOR AIR TEMPERATURE (°F)	MIN. EER	COMPRESSOR(S) QUANTITY	COMPRESSOR(S) RLA	CONDENSER FAN(S) QUANTITY	CONDENSER FAN(S) TYPE	CONDENSER FAN(S) MOTOR FLA	REFRIGERANT DATA TYPE	UNIT WEIGHT (LBS)	ELECTRICAL REQUIREMENTS VOLT	PHASE	CYCLE	MCA	MOCP	EMERGENCY POWER	DESIGN REFERENCE MANUFACTURER	MODEL	NOTES
ACCU-1	ROOF	AC-1	12000.0	95	13.3	1	7.0	1	PROPELLER	0.5	R-410A	46	208	1	60	11	28	NO	MITSUBISHI ELECTRIC	TRUYA0121KA70BA	
ACCU-2	ROOF	AC-2	18000.0	95	13.3	1	7.0	1	PROPELLER	0.5	R-410A	99	208	1	60	11	28	NO	MITSUBISHI ELECTRIC	TRUYA0181KA70BA	
ACCU-3	ROOF	AC-3	12000.0	95	13.3	1	7.0	1	PROPELLER	0.5	R-410A	46	208	1	60	11	28	NO	MITSUBISHI ELECTRIC	TRUYA0121KA70BA	

NOTE: INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT

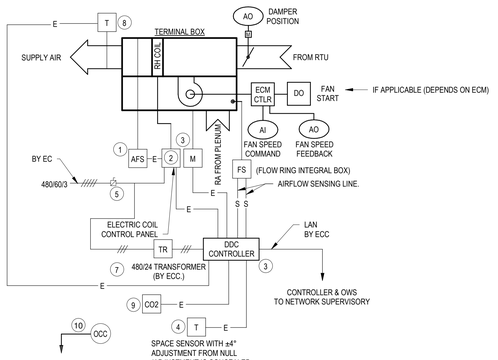
AC UNIT SCHEDULE

TAG	LOCATION	AREA SERVED	CONFIGURATION	FAN CFM	COOLING COIL AHRI RATED CONDITIONS DB (°F)	AHRI RATED CONDITIONS WB (°F)	COOLING COIL MIN. TOTAL MBH	COOLING COIL REFRIGERANT TYPE	ELECTRICAL DATA VOLT	PHASE	CYCLE	MCA	EMERGENCY POWER	DESIGN REFERENCE MANUFACTURER	MODEL	NOTES
AC-1	IDF 145	IDF 145	WALL MOUNTED	375	80	67	12	R-410A	208	1	60	1	NO	MITSUBISHI ELECTRIC	TPKA0A0121LA00A	COOLING ONLY UNIT
AC-2	MDF 101	MDF 101	WALL MOUNTED	375	80	67	18	R-410A	208	1	60	0	NO	MITSUBISHI ELECTRIC	TPKA0A0181LA00A	COOLING ONLY UNIT
AC-3	MDF 208	MDF 208	WALL MOUNTED	375	80	67	12	R-410A	208	1	60	1	NO	MITSUBISHI ELECTRIC	TPKA0A0121LA00A	COOLING ONLY UNIT

NOTE: INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT

TERMINAL BOX SCHEDULE

TAG	CFM MAX.	CFM MIN.	UNIT INLET SIZE (IN.)	UNIT MAX. A.P.D. AT MAX. CFM (IN.)	AIR DATA ENTERING AIR TEMPERATURE (°F)	AIR DATA LEAVING AIR TEMPERATURE (°F)	ELECTRIC HEATING (KW)	ELECTRICAL DATA VOLT	ELECTRICAL DATA PHASE	DESIGN REFERENCE MANUFACTURER	DESIGN REFERENCE MODEL	NOTES
FPVAV-1-1	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-2	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-3	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-4	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-5	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-6	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-7	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-8	1300	650	8"	1.00	55	95	5	480 V	3	TRANE	VCEF	
FPVAV-1-9	1300	650	10"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-10	700	350	8"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-1-11	1300	650	10"	1.00	55	95	5	480 V	3	TRANE	VPEF	
FPVAV-2-1	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-2	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-3	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-4	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-5	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-6	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-7	1640	820	12"	1.00	55	95	10	480 V	3	TRANE	VPEF	
FPVAV-2-8	1300	650	10"	1.00	55	95	5	480 V	3	TRANE	VPEF	
FPVAV-2-9	1300	650	10"	1.00	55	95	10	480 V	3	TRANE	VPEF	
VAV-2-1	1300	650	8"	1.00	55	95	5	480 V	3	TRANE	VCEF	



NOTES:

1. AFS IS INTEGRAL WITH BOX.
2. ELECTRICAL COIL TO BE COMPLETE WITH ALL SAFETY CONTROLS AND SCR OR STAGED HEAT CONTROLLER. REFER TO SCHEDULE FOR CONTROLLER TYPE.
3. BY ECC, MOUNTED AND WIRED BY TERMINAL BOX SUPPLIER AT FACTORY.
4. BY ECC MOUNTED, WIRED & CALIBRATED BY ECC.
5. CIRCUIT BREAKER IN NEMA 1 ENCLOSURE FURNISHED AND INSTALLED BY EC.
6. ALL POWER WIRING BY EC; ALL CONTROL WIRING BY ECC.
7. TRANSFORMER BY TERMINAL BOX SUPPLIER.
8. DISCHARGE TEMPERATURE IS INDICATION ONLY.
9. CO2 SENSOR MOUNTED ADJACENT TO ROOM THERMOSTAT, WHERE INDICATED ON PLANS.
10. OCCUPANCY SENSORS BY EC. OCCUPANCY SENSOR INPUT SHALL BE MAPPED FROM LIGHTING CONTROL PANEL INTO BAS THROUGH BACNET INTERFACE.

SEQUENCE OF OPERATION

1. VAV - SPACE TEMPERATURE CONTROL LOOP ON RISING SPACE TEMPERATURE SHALL THROUGH THE TERMINAL BOX VOLUME CONTROLLER INCREASE SUPPLY AIR VOLUME FROM MINIMUM TO MAXIMUM. ON DECREASING SPACE TEMPERATURE THE SUPPLY AIR VOLUME IS DECREASED TO DESIGN MINIMUM AND THEN THE HEATING COIL IS ENERGIZED AND CONTROLLED THROUGH THE SCR OR STAGED HEAT CONTROLLER. ECC TO NOTE THAT ALL ACTUATORS ARE FURNISHED BY ECC AND INSTALLED BY BOX SUPPLIER ON DDC CONTROLLED BOXES. ELECTRIC COIL TO FULLY DEENERGIZE ON LOSS OF AIR FLOW.
3. TERMINAL BOX SHALL BE PROGRAMMED WITH AN OCCUPIED/UNOCCUPIED SCHEDULE. HOURS OF OPERATION AS DIRECTED BY OWNER.
4. EACH SPACE THERMOSTAT SHALL BE EQUIPPED WITH A 2-POSITION PUSH BUTTON OR LEVER LABELED "NORMAL" AND OCCUPANCY. IN THE "NORMAL" POSITION THE SPACE SHALL VARY BETWEEN OCCUPIED AND UNOCCUPIED AS PROGRAMMED AT THE OWS. IN THE EVENT IT IS DESIRED FOR ANY ZONE TO OPERATE ON OCCUPIED WHEN THE MASTER TIME UNIT HAS BEEN PROGRAMMED TO UNOCCCUPIED THE THERMOSTAT PUSH BUTTON SHALL PROVIDE THE VEHICLE TO RETURN THE TERMINAL BOX TO FULL OCCUPANCY MODE. SUCH UNITS SO RESET SHALL RETURN TO AUTOMATIC ZONE OPERATION ON THE NEXT MODE CYCLE OF THE MASTER CHANGEOVER.
5. ANY TIME THE SPACE CO2 LEVEL EXCEEDS 1000 PPM THE TERMINAL BOX INCREASES SUPPLY AIR VOLUME FROM MINIMUM LEVEL TO MAXIMUM LEVEL AS REQUIRED.

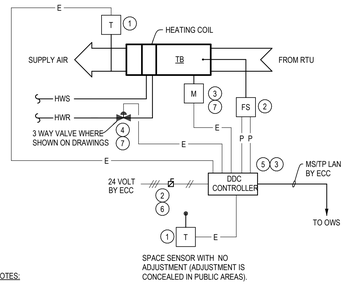
DURING HEATING MODE:

1. TERMINAL BOX CONTROLLER SHALL RESPOND TO CHANGES IN SPACE TEMPERATURE AND VARIATIONS IN SYSTEM STATIC PRESSURE TO MODULATE SUPPLY AIR VOLUME FROM SCHEDULED MINIMUM TO SCHEDULED MAXIMUM WHILE MODULATING THE HEATING COIL VALVE WHEN THE TERMINAL BOX IS AT MINIMUM AIRFLOW. THROUGH THE LAN TO THE OPERATORS WORK STATION IT SHALL BE POSSIBLE TO MONITOR AND ADJUST THE SPACE TEMPERATURE SETPOINTS AND THE SUPPLY AIR VOLUMES (MAXIMUM AND MINIMUM).
2. THE SPACE HEATING TEMPERATURE SETPOINT IS 70°F UNLESS NOTED OTHERWISE. THE TERMINAL BOX HEATING VALVE IS FULLY CLOSED ABOVE 70 °F SPACE TEMPERATURE. THE HEATING VALVE MODULATES OPEN BELOW 70 °F SPACE TEMPERATURE TO MAINTAIN A 70°F SPACE TEMPERATURE. THE SPACE COOLING TEMPERATURE SETPOINT IS 75°F UNLESS NOTED OTHERWISE. BELOW 75°F SPACE TEMPERATURE THE TERMINAL BOX DOES NOT SUPPLY MORE THAN THE SCHEDULED MINIMUM AIRFLOW. ABOVE 75°F SPACE TEMPERATURE THE TERMINAL BOX SUPPLY AIR VOLUME INCREASES TO MAINTAIN A 75°F SPACE TEMPERATURE.
3. AIRFLOW IS AT THE SCHEDULED MINIMUM VALUE DURING HEATING UNTIL THE HEATING VALVE IS GREATER THAN 95% OPEN FOR A PERIOD OF ONE MINUTE OR THE DISCHARGE AIR TEMPERATURE EXCEEDS 95°F. IF EITHER OF THESE TWO CONDITIONS ARE MET, THE SUPPLY AIR VOLUME IS INCREASED GREATER THAN THE SCHEDULED MINIMUM WHILE THE SUPPLY AIR TEMPERATURE IS CONTROLLED TO BE 95°F. THE MAXIMUM HEATING SUPPLY AIR VOLUME SHALL NOT EXCEED 65% OF THE SCHEDULED MAXIMUM COOLING SUPPLY AIR VOLUME UNLESS THE SPACE CONTAINS A CO2 SENSOR.
4. WHERE RADIATION HEATING IS ALSO USED WITHIN THE SPACE: THE RADIATION VALVE SHALL BE THROTTLED CLOSED AS THE ZONE SPACE TEMPERATURE RISES 2°F (ADJ) ABOVE THE HEATING CONTROL POINT. RADIATION VALVE IS FULLY CLOSED ABOVE 50°F OUTDOOR AIR TEMPERATURE.
5. WHERE CO2 SENSORS ARE ALSO USED WITHIN THE SPACE: AS THE SPACE SENSOR LEVEL INCREASES TO A CO2 LEVEL OF 1000 PPM THE PRIMARY SUPPLY VOLUME INCREASES TO ENSURE PROPER VENTILATION. DURING THIS CONTROL LOOP SEQUENCE THE HEATING VALVE REMAINS UNDER CONTROL OF THE TEMPERATURE LOOP TO HEAT THE AIR AS REQUIRED TO MAINTAIN THE 70°F HEATING SPACE TEMPERATURE SETPOINT.

UNOCCUPIED MODES:

1. THE BUILDING CONTROL SYSTEM SHALL BE INDEXED FROM OCCUPIED TO UNOCCUPIED MODE BY A TIME PROGRAM IN THE CAMPUS BAS. UNLESS NOTED OTHERWISE, UNOCCUPIED MODE OCCURS FROM 6:00 P.M. TO 6:00 A.M. MONDAY THROUGH FRIDAY AND ALL DAY WEEKENDS AND HOLIDAYS. AN INTEGRAL PUSH BUTTON ON THE SPACE SENSOR RETURNS THAT SPECIFIC SPACE TO OCCUPIED MODE FOR A PERIOD OF THREE HOURS. AT THE END OF THE THREE HOUR PERIOD THE SPACE RETURNS TO UNOCCUPIED MODE.
2. WHILE THE SPACE TEMPERATURE IS BETWEEN 60°F AND 82° F DURING UNOCCUPIED MODE THE TERMINAL BOX AIR DAMPER IS FULLY CLOSED. ANYTIME THE ROOM FALLS OUT SIDE THIS TEMPERATURE RANGE THE AHU IS CYCLED ON IN UNOCCUPIED AHU MODE FOR 2 HOURS (ADJ) (IF NOT ALREADY RUNNING) AND THE INDIVIDUAL SPACE IS PROVIDED WITH THE SCHEDULED MINIMUM AIRFLOW. IF WHILE BEING PROVIDED WITH THE SCHEDULED MINIMUM AIRFLOW THE SPACE TEMPERATURE DROPS BELOW 60°F THEN THE HEATING VALVE IS MODULATED TO PROVIDE A 60°F SPACE TEMPERATURE.
3. ANY AREA MAY BE RETURNED TO OCCUPIED MODE FOR TWO HOURS (ADJ) BY DETECTION OF OCCUPANCY (IF PROVIDED WITH OCCUPANCY SENSOR). THIS SHALL INDEX THE AHU FROM UNOCCUPIED MODE TO OCCUPIED MODE FOR TWO HOURS (ADJ). THE OCCUPIED ROOM SHALL MAINTAIN NORMAL OCCUPIED SETPOINT BUT ALL OTHER ROOMS SHALL CONTROL THEIR TERMINAL BOXES TO UNOCCCUPIED MODE SETPOINTS.

1 TERMINAL BOX FP - PARALELL - (ELECTRIC REHEAT) CONTROL SCHEMATIC
NO SCALE



PLAN NOTES:

1. FURNISHED, CALIBRATED, AND INITIALLY COMMISSIONED BY CONTROLS SUPPLIER. INSTALLED AND WIRED BY ECC.
2. INTEGRAL WITH TERMINAL BOX.
3. FURNISHED AND COMMISSIONED BY CONTROLS SUPPLIER; INSTALLED BY TERMINAL BOX SUPPLIER.
4. FURNISHED BY CONTROLS SUPPLIER; INSTALLED BY MC (CONTROL TO BE INCREMENTAL).
5. AIR VOLUME SENSOR TO RECALIBRATE AUTOMATICALLY WITH A SCHEDULE APPROVED BY OWNER.
6. DISCONNECT BY BOX MFR.
7. FAIL IN LAST POSITION.

SEQUENCE OF OPERATION

1. OCCUPIED MODE:

A. TERMINAL BOX CONTROLLER SHALL RESPOND TO CHANGES IN SPACE TEMPERATURE TO MODULATE HEATING COIL VALVE. SUPPLY AIR VOLUME TO BE MAINTAINED AT A CONSTANT VALUE REGARDLESS OF CHANGES IN SUPPLY DUCT STATIC PRESSURE THROUGH CONTROL OF DAMPER ACTUATOR.

B. SPACE TEMPERATURE HEATING SETPOINT IS 68° (BELOW WHICH THE HEATING VALVE MODULATES OPEN). HEATING VALVE IS FULLY CLOSED ABOVE 69°F SPACE TEMPERATURE.

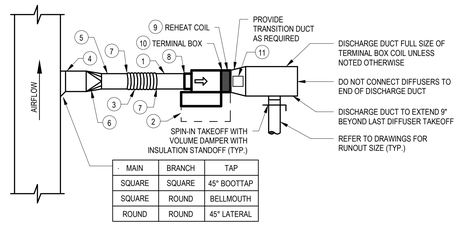
C. THROUGH LAN TO OPERATOR'S WORK STATION IT SHALL BE POSSIBLE TO READ AND ADJUST SPACE TEMPERATURE AND SUPPLY AIR VOLUMES. SUPPLY AIR TEMPERATURE IS READOUT ONLY.

2. UNOCCUPIED MODE:

A. UNOCCUPIED MODE OCCURS FROM 8:00 P.M. TO 6:00 A.M. MONDAY THROUGH FRIDAY AND ALL DAY SATURDAY AND HOLIDAYS.

B. IN UNOCCUPIED MODE THE SPACE TEMPERATURE HEATING SETPOINT IS 65°F (BELOW WHICH THE HEATING VALVE MODULATES OPEN). THE HEATING VALVE IS FULLY CLOSED ABOVE 66°F SPACE TEMPERATURE.

6 TERMINAL BOX CONTROL SCHEMATIC
NO SCALE



MAIN	BRANCH	TAP
SQUARE	SQUARE	45° BOOTTAP
SQUARE	ROUND	BELLMOUTH
ROUND	ROUND	45° LATERAL

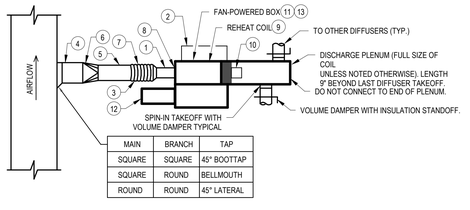
PLAN NOTES

1. A MINIMUM OF THREE (3) DUCT DIAMETERS (MAXIMUM OF 3'-0") OF STRAIGHT HARD METAL DUCT SHALL BE PROVIDED DIRECTLY UPSTREAM OF TERMINAL BOX INLET AFTER TRANSITION TO TERMINAL BOX INLET SIZE.
2. MAINTAIN A MINIMUM OF 18" CLEARANCE FOR SERVICE, CONTROLLER, AND REHEAT VALVING. PROVIDE 36" MINIMUM CLEARANCE WHERE VOLTAGE EXCEEDS 24V.
3. OPTIONAL FLEXIBLE DUCT CONNECTION TO THE TERMINAL BOX. HARD DUCT IS PERFECTLY ACCEPTABLE. FLEXIBLE DUCT SHALL NOT EXCEED ONE (1) FOOT IN LENGTH. FLEXIBLE DUCT SHALL BE INSTALLED STRAIGHT WITH NO OFFSETS.
4. REFER TO DRAWINGS FOR RUNOUT SIZES. RUNOUT SIZE IS SAME AS TERMINAL BOX INLET SIZE UNLESS NOTED OTHERWISE.
5. DUCT SIZE AFTER TRANSITION IS SAME SIZE AS SCHEDULED TERMINAL BOX INLET SIZE AS MODIFIED BY COMPLETED SUBMITTALS.
6. TRANSITION AS REQUIRED IF RUNOUT SIZE DIFFERS FROM TERMINAL BOX INLET SIZE.
7. TIE-WRAP CONNECT FLEX DUCT HELICAL COIL TO ROUND METAL DUCTWORK. PULL FLEX DUCT VAPOR BARRIER OVER LOWER TIE-WRAP AND INSTALL SECOND TIE-WRAP OVER THE VAPOR BARRIER. INSULATE METAL DUCT OVER TOP OF SECOND TIE-WRAP AND INSTALL INSULATOR'S TAPE ON EDGES.
8. INSULATE ALL EXPOSED METAL AT TERMINAL BOX INLET. INSULATE AROUND FLOW SENSORS.
9. INSULATE EXPOSED METAL AT COIL. INSULATE RETURN BENDS. SEAL CLEAT JOINTS. DUCTWORK INSULATION SHALL OVERLAP THE INTERNALLY INSULATED TERMINAL UNIT BY TWO INCHES. INSULATE COIL PIPING BETWEEN CONTROL VALVE AND COIL CONNECTION.
10. SUPPORT TERMINAL BOX SUCH THAT IT CAN HANG INDEPENDENTLY OF ANY DUCTWORK CONNECTIONS. ATTACH FOUR STRAP HANGERS TO UNIT. SEAL SCREW PENETRATIONS OF TERMINAL BOX.
11. PROVIDE MINIMUM 8"X8" ACCESS DOOR DOWNSTREAM OF REHEAT COIL.

EDITOR'S NOTES:

1. VERIFY LENGTHS DESIRED FOR FLEX DUCTWORK. (ON DIFFUSER DETAIL).....
2. VERIFY IF DUCT ACCESS DOOR IS NEEDED AND DELETE AS NEEDED/OWNER PREFERENCE.

5 TERMINAL BOX DETAIL
NO SCALE



MAIN	BRANCH	TAP
SQUARE	SQUARE	45° BOOTTAP
SQUARE	ROUND	BELLMOUTH
ROUND	ROUND	45° LATERAL

PLAN NOTES

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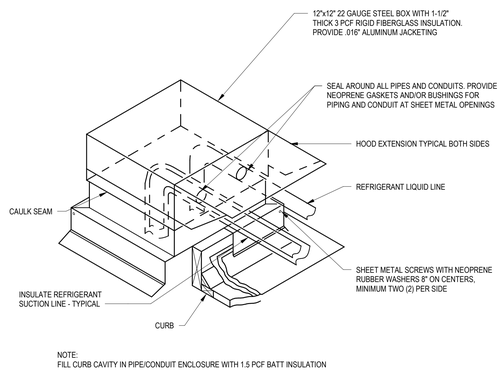
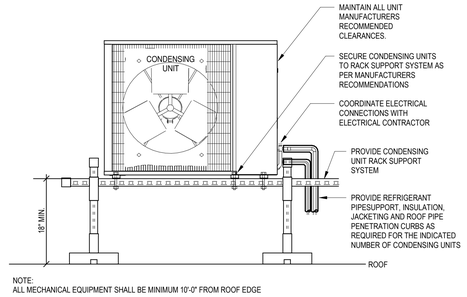
4. REFER TO DRAWINGS FOR RUNOUT SIZES. RUNOUT SIZE IS SAME AS TERMINAL BOX INLET SIZE UNLESS NOTED OTHERWISE.
5. DUCT SIZE AFTER TRANSITION IS SAME SIZE AS SCHEDULED TERMINAL BOX INLET SIZE AS MODIFIED BY COMPLETED SUBMITTALS.
6. TRANSITION AS REQUIRED IF RUNOUT SIZE DIFFERS FROM TERMINAL BOX INLET SIZE.
7. TIE-WRAP CONNECT FLEX DUCT HELICAL COIL TO ROUND METAL DUCTWORK. PULL FLEX DUCT VAPOR BARRIER OVER LOWER TIE-WRAP ND INSTALL SECOND TIE-WRAP OVER THE VAPOR BARRIER. INSULATE METAL DUCT OVER TOP OF SECOND TIE-WRAP AND INSTALL INSULATOR'S TAPE ON EDGES.
8. INSULATE ALL EXPOSED METAL AT TERMINAL BOX INLET. INSULATE AROUND FLOW SENSORS.
9. INSULATE EXPOSED METAL AT COIL. INSULATE RETURN BENDS. SEAL CLEAT JOINTS.
10. PROVIDE MINIMUM 8"X8" ACCESS DOOR DOWNSTREAM OF REHEAT COIL.
11. SUPPORT FAN POWERED BOX SUCH THAT IT CAN HANG INDEPENDENTLY OF ANY DUCTWORK CONNECTIONS. ATTACH FOUR STRAP HANGERS TO UNIT. SEAL SCREW PENETRATIONS OF FAN POWERED BOX.
12. INLET SOUND ATTENUATOR PROVIDED BY BOX MANUFACTURER AND INSTALLED ON ALL BOXES.
13. COORDINATE WITH ALL TRADES SUCH THAT MAINTENANCE ACCESS IS ACHIEVED AT COMPLETION OF PROJECT. MAINTENANCE ACCESS IS TO BE PROVIDED SUCH THAT A PERSON WITH 24" ARM LENGTH CAN STAND ON A LADDER WHICH IS RESTING ON THE FLOOR, NOT HAVE TO LEAN AGAINST THE CEILING, AND CAN TOUCH WITH BOTH HANDS AT THE SAME TIME EACH OF THE FOLLOWING COMPONENTS: VOLUME DAMPERS, CONTROL DAMPERS, DAMPER ACTUATORS, AIRFLOW CONTROLLER, TRANSFORMERS, EP SWITCHES, CONTROL VALVES, STRAINERS, PT PORTS, SHUTOFF VALVES, ELECTRICAL DISCONNECTS AND OTHER ITEMS ASSOCIATED WITH THE FAN POWERED BOX INSTALLATION.

4 FAN POWERED BOX DETAIL
NO SCALE



NOTE:
FILL CURB CAVITY IN PIPE/CONDUIT ENCLOSURE WITH 1.5 PCF BATT INSULATION

2 PIPE CURB ASSEMBLY
NO SCALE



NOTE:
ALL MECHANICAL EQUIPMENT SHALL BE MINIMUM 10'-0" FROM ROOF EDGE

3 CONDENSING UNIT SUPPORT DETAIL
NO SCALE

MEP ABBREVIATIONS

ABBREV.	DESCRIPTION
A	AMPERE
A/E	ARCHITECT AND ENGINEER
AAP	AREA ALARM PANEL
AC	AIR COMPRESSOR / ALTERNATING CURRENT
ACCU	AIR COOLED CONDENSING UNIT
ACD	AIR CONDITIONING CONDENSATE DRAIN
ACP	ACCESS PANEL / AIR COMPRESSOR PUMP
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR / AREA DRAIN
ADD	ADDITION
ADJ	ADJUSTABLE OR ADJACENT
AFC	ABOVE FINISHED CEILING
AFCV	AIRFLOW CONTROL VALVE
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AI	AIR INTAKE
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AM	AMMETER
AMB	AMBIENT
AMP	AMPERE
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
AR	AIR RECEIVER
ARC	ARC FLASH
ARCH	ARCHITECT
AS	AIR SEPARATOR
AST	ABOVE-GROUND STORAGE TANK
ATM	ATMOSPHERE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	ACID VENT
AVG	AVERAGE
AVMS	AIR VOLUME MEASURING STATION
AW	ACID WASTE
B	BOILER
BC	BARE COPPER
BCU	BLOWER COIL UNIT
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINED
BRK	BREAKER
BL	BUILDING LINE
BLDG	BUILDING
BO	BOOM OUTLET
BOS	BULK OXYGEN SITE
BP	BRINE PUMP
BR	BRANCH
BSS	BULK SALT STORAGE
BT	BRINE TANK / BATH TUB
BTM	BOTTOM
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
C	CONDUIT
°C	DEGREES CELSIUS
CA	COMPRESSED AIR
CAB	CABINET
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CB	CIRCUIT BREAKER
CC	COOLING COIL
C/C	CENTER TO CENTER
CCP	COOLING COIL PUMP
CCTV	CLOSED CIRCUIT TELEVISION
CENTRIF	CENTRIFUGAL
CF	CARBON FILTER
CFCI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
CFM	CUBIC FEET PER MINUTE
CFOI	CONTRACTOR FURNISHED / OWNER INSTALLED
CH	CHILLER
CI	CAST IRON
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CLEAN OUT / CARBON MONOXIDE / CEILING OUTLET
CO2	CARBON DIOXIDE
COL	COLUMN
CO2M	CARBON DIOXIDE MANIFOLD
COMM	COMMUNICATION
COMP	COMPRESSOR
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CP	CONDENSATE PUMP
CPD	CONDENSATE PUMP DISCHARGE
CR	CRITICAL
CT	CURRENT TRANSFORMER
CTFS	COOLING TOWER FILTRATION SYSTEM
CU	COPPER
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWM	COLD WATER MAKE-UP
CWP	CHILLED WATER PUMP
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
D	DIFFUSER / DAMPER / DRAIN
DB	DECIBELS / DRY BULB / DIRECT BURIAL / DIALYSIS BOX
DC	DUCT COIL / DIRECT CURRENT
DCV	DOUBLE CHECK VALVE
DCWBP	DOMESTIC COLD WATER BOOSTER PUMP
DD	DUAL DUCT
DDC	DIRECT DIGITAL CONTROL
DE	DEAERATOR
DEFL	DEFLECTION
DEG	DEGREE
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DHWBP	DOMESTIC HOT WATER BOOSTER PUMP
DI	DEIONIZED WATER
DIA	DIAMETER
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DISC	DISCONNECT
DISCH	DISCHARGE
DISS	DIAMETER INDEX SAFETY SYSTEM
DIST	DISTANCE / DISTRIBUTION
DIXT	DI EXCHANGE TANKS
DM	DEMAND METER
DO	DRAWOUT
DR(S)	DOCTOR(S)
DS	DOWNSPOUT
DSWBP	DOMESTIC SOFT WATER BOOSTER PUMP
DT	DAY TANK
DUC	DOOR UNDER CUT
DWG	DRAWING
DW	DISTILLED WATER
DWBP	DOMESTIC WATER BOOSTER PUMP
DWH	DOMESTIC WATER HEATER
DS	DOWN SPOUT / DISCONNECT SWITCH
DST	DECONTAMINATION WATER STORAGE TANK
EA	EXHAUST AIR / EACH
EAT	ENTERING AIR TEMPERATURE
EBH	ELECTRIC BASEBOARD HEATER
EC	ELECTRICAL CONTRACTOR
ECC	ENVIRONMENTAL CONTROL CONTRACTOR
ECO	EARTH CLEANOUT
ECG	EGG CRATE GRILLE
ED	EXHAUST DIFFUSER
EDC	ELECTRIC DUCT COIL
EER	ENERGY EFFICIENCY RATIO
EEW	EMERGENCY EYE WASH
EF	EXHAUST FAN
EFT	ENTERING FLUID TEMPERATURE
EFW	EMERGENCY FACE WASH
EG	EXHAUST GRILLE / ETHYLENE GLYCOL
EHR	EMERGENCY HOSE REEL
ELEC	ELECTRIC
ELEV	ELEVATION / ELEVATOR
EMER	EMERGENCY
EMG	EXTRUDED METAL GRILLE
ENCL	ENCLOSURE
ENTR	ENTERING
EO2C	EMERGENCY OXYGEN CONNECTION
EOM	END OF MAIN DRIP
EP	ELECTRIC PNEUMATIC
EQA	EQUIPMENT AIR
EQAC	EQUIPMENT AIR COMPRESSOR
EQAD	EQUIPMENT AIR DRYER
EQAI	EQUIPMENT AIR INTAKE
EQUIP	EQUIPMENT
EQV	EQUIPMENT VACUUM
EQVP	EQUIPMENT VACUUM PUMP
EQVV	EQUIPMENT VACUUM VENT
ERP	ELECTRIC RADIANT PANEL
ES	EMERGENCY SHOWER
ESFW	EMERGENCY SHOWER & FACE WASH
ESP	EXTERNAL STATIC PRESSURE / ELEVATOR SUMP PUMP
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EX	EXPLOSIONPROOF
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
°F	DEGREES FAHRENHEIT
F&B	FACE & BYPASS
F&T	FLOAT AND THERMOSTATIC TRAP
FA	FIRE ALARM
FSD	FIRE AND SMOKE DAMPER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
FC	FLEXIBLE CONNECTION / FLAT CABLE
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN OR FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FF	FINAL FILTERS
FFC	FOOD FACILITY CONTRACTOR
FFE	FINISHED FLOOR ELEVATION
FFS	FOOD FACILITY SUPPLIER
FH	FIRE HOSE / FUME HOOD
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE CONNECTION
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FUEL MONITOR
FO	FUEL OIL
FODT	FUEL OIL DAY TANK
FOM	FUEL OIL MONITOR
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOST	FUEL OIL STORAGE TANK
FOTS	FUEL OIL TREATMENT SYSTEM
FOT	FUEL OIL TANK
FOV	FUEL OIL VENT
FP	FIRE PROTECTION / FIRE PUMP
FPB	FAN POWERED BOX
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FSS	FUSED SAFETY SWITCH
FT	FEET OR FLASH TANK
FTG	FOOTING OR FITTING
FTR	FIN TUBE RADIATION
FVR	FILMVIEWER
FV	FULL VOLTAGE
FVNR	FULL VOLTAGE NON REVERSING
FWG	FOOD WASTE GRINDER
G	GAS (NATURAL)
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GAS SUPPLY BOX
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CKT. INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GH	GRAVITY HOOD
GI	GREASE INTERCEPTOR
GND OR G	GROUND
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT (NATURAL)
GW	GREASE WASTE
H	HUMIDIFIER, HUMIDITY OR HEIGHT
H2	HYDROGEN
HB	HOSE BIBB
HC	HEATING COIL
HCP	HEATING COIL PUMP (HOT WATER)
HD	HEAD
HE	HEAT EXCHANGER OR HELIUM
HEM	HELIUM MANIFOLD
HG	MERCURY
HGT	HEIGHT
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HO	HAND OPERATED
HOA	HAND-OFF-AUTOMATIC
HORZ	HORIZONTAL
HOSP	HOSPITAL
HP	HORSEPOWER OR HEATPUMP
HPR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM / HIGH PRESSURE SODIUM
HR	HOUR / HOSE REEL
HRC	HEAT RECOVERY COIL
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWC	HOT WATER CIRCULATION
HWCP	HOT WATER CIRCULATING PUMP
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
DHWST	DOMESTIC HOT WATER STORAGE TANK
HX	HEAT EXCHANGER
HZ	HERTZ
IA	INSTRUMENT AIR
IAC	INSTRUMENT AIR COMPRESSOR
IAD	INSTRUMENT AIR DRYER
IC	INTERCOMMUNICATION
ID	INSIDE DIAMETER / DIMENSION
IFB	INTEGRAL FACE AND BYPASS
IN	INCH(ES)
INCAN	INCANDESCENT
INCL	INCLUDE
INSUL	INSULATED
INT	INTERIOR
INV	INVERT
IPS	INTERNATIONAL PIPE SIZING
ISG	ISOLATED GROUND SURGE GUARD
ISO	ISOLATION
JB	JUNCTION BOX
JP	JOCKEY PUMP
JT	JOINT
KAIC	KILO-AMPERE INTERRUPTING CAPACITY
KEC	KITCHEN EQUIPMENT CONTRACTOR
KR	KRYPTON
KT	KITCHENETTE
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
L	LENGTH
LA	LAB AIR
LAB	LABORATORY
LAC	LAB AIR COMPRESSOR
LAD	LAB AIR DRYER
LAN	LOCAL AREA NETWORK
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBD	LINEAR BAR DIFFUSER
LB(S)	POUND(S)
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LFD	LAMINAR FLOW DIFFUSER
LFT	LEAVING FLUID TEMPERATURE
LOC	LOCATION
LP	LIQUID PROPANE (GAS)
LPBS	LIQUID PROPANE BLENDING STATION
LPR	LOW PRESSURE CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LPT	LIQUID PROPANE TANK
LS	LIFE SAFETY
LT	LIGHT / LAUNDRY DRAIN TROUGH
LTG	LIGHTING
LVG	LEAVING
LV	LAB VACUUM / LOW VOLTAGE
LVP	LAB VACUUM PUMP
LW	LAB WATER
LWT	LEAVING WATER TEMPERATURE
MA	MEDICAL AIR
MAC	MEDICAL AIR COMPRESSOR
MAI	MEDICAL AIR INTAKE
MAM	MEDICAL AIR MANIFOLD
MAP	MASTER ALARM PANEL
MAT	MIXED AIR TEMPERATURE
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MB	MOP BASIN
MBH	BTU/HR X 1000
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPSR	MEDIUM PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MTD	MOUNTED
MTG HT	MOUNTING HEIGHT
MU	MEDICINE UNIT
MV	MEDICAL VACUUM
MVP	MEDICAL VACUUM PUMP
MWO	MICROWAVE OVEN
N2	NITROGEN
N2M	NITROGEN MANIFOLD
N2O	NITROUS OXIDE
N2OM	NITROUS OXIDE MANIFOLD
NA OR N/A	NOT APPLICABLE
NC	NORMALLY CLOSED / NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NSWC	NO SALT WATER CONDITIONER
NTS	NOT TO SCALE
O2	OXYGEN
O2M	OXYGEN MANIFOLD
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER / OVERFLOW DRAIN
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OPER	OPERATOR
OPNG	OPENING
OPP	OPPOSITE
OR	OPERATING ROOM
OSD	OPEN SITE DRAIN
P	PUMP / POLE / PNEUMATIC / PRESSURE
PB	PUSHBUTTON / PULL BOX
PC	PLUMBING CONTRACTOR / PERS. COMPUTER
PCS	PATHOGEN CONTROL SYSTEM
PD	PRESSURE DROP OR PERFORATED DIFFUSER
PE	PNEUMATIC ELECTRIC
PF	PREFILTERS / POWER FACTOR
PG	PROPYLENE GLYCOL
PH	PHASE
PHC	PREHEAT COIL
PHWST	PREHEAT WATER STORAGE TANK
PIV	POST INDICATOR VALVE
PL	PILOT LIGHT
PLT	PLASTER TRAP
PNL	PANELBOARD
POC	POINT OF CONNECTION
PPH	POUNDS PER HOUR
PPM	PARTS PER MILLION
PRD	PRESSURE RELIEF DOOR
PREFAB	PREFABRICATED
PRES	PRESSURE
PRV	PRESSURE REDUCING / REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PNEUMATIC TUBE
PTS	PNEUMATIC TUBE STATION
PV	PLUGE VALVE
PVC	POLYVINYL CHLORIDE
PW	PURE WATER / PART WINDING
PWP	PURE WATER PUMP
PWR	PURE WATER RETURN / POWER
PWS	PURE WATER SUPPLY
PWT	PURE WATER TAP
PWST	PURE WATER STORAGE TANK
RA	RETURN AIR OR RELIEF AIR
RACU	ROOM AIR CONDITIONING UNIT
RAD	RADIATED
RAT	RETURN AIR TEMPERATURE
RB	REFRIGERATOR BOX
RD	ROOF DRAIN
R/H	REHEAT
REC	RECEIVER / RECEPTACLE
RECIR	RECIRCULATING
REF	REFRIGERATOR
REINF	REINFORCED
RF	RETURN AIR FAN
RG	RETURN GRILLE
RGIP	REMOTE GROUND INDICATING PANEL
RH	RELIEF HOOD / RELATIVE HUMIDITY / ROOF HYDRANT
RHC	REHEAT COIL / ROOF HOSE CONNECTION
RLA	RUNNING LOAD AMPS
RM	ROOM
RO	REVERSE OSMOSIS
ROM	REVERSE OSMOSIS MACHINE
ROP	REVERSE OSMOSIS PUMP
ROR	REVERSE OSMOSIS RETURN
ROS	REVERSE OSMOSIS SUPPLY
ROST	REVERSE OSMOSIS STORAGE TANK
RP	RADIANT PANELS
RPG	RETURN PERFORATED GRILLE
RPZ	REDUCED PRESSURE ZONE
RPM	REVOLUTIONS PER MINUTE
REQ'D	REQUIRED
RV	ROOF VENTILATOR
S	SANITARY
S (CHEM)	SANITARY - CHEMICAL
S (GREASE)	SANITARY - GREASE
SA	SUPPLY AIR / SOUND ATTENUATOR
SB	STEAM BOILER
SC	STEAM COIL / SHORT CIRCUIT
SCC	STEAM CONDENSATE COOLER
SCCH	SUBCOOLED CHILLER
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SCW	SOFT COLD WATER (DOMESTIC)
SD	SUPPLY DIFFUSER / SMOKE DAMPER
SEC	SECTION
SENS	SENSIBLE
SEP	SEWAGE EJECTOR PUMP
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY AIR FAN
SG	SUPPLY GRILLE / SPECIAL GAS
SGP	SURGE GUARD PROTECTION
SH	SHOWER
SHT	SHEET
SIG	SIGNAL
SK	SINK
SMBH	SENSIBLE MBH
SMC	SHEET METAL CONTRACTOR
SN	SOLID NEUTRAL
SP	STATIC PRESSURE / SUMP PUMP
SPEC	SPECIFICATIONS
SQ	SQUARE
SQFT	SQUARE FEET
SRV	SAFETY RELIEF VALVE
SS	SOLID STATE SOFT START
ST	STEAM / STEAM TRAP
STD	STANDARD
STN	STATION
STR	STARTER
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	STEAM VENT / SPECIAL VENT
SW	SWITCH / SPECIAL WASTE
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYS	SYSTEM
T	THERMOSTAT / THERMOMETER
TB	TERMINAL BOX
TCC	TEMPERATURE CONTROL CONTRACTOR
TD	TRENCH DRAIN
TDH	TOTAL DISCHARGE HEAD
TDV	TRIPLE DUTY VALVE
TEL	TELECOMMUNICATION
TEMP	TEMPERATURE
THW	TEMPERED HOT WATER
TLL	TEMPERATURE LOW LIMIT
TMBH	TOTAL MBH
TMH	TOP OF MANHOLE
TMV	THERMOSTATIC MIXING VALVE
TSP	TOTAL STATIC PRESSURE
TV	TELEVISION
TW	TEMPERED WATER
TYP	TYPICAL
UC	UNDER CARPET
U/C	UNDER CABINET / UNDER COUNTER
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UST	UNDERGROUND STORAGE TANK
UV	ULTRA VIOLET LIGHT / UNIT VENTILATOR
V	VENT / VOLT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VC	VACUUM CLEANING
VD	VOLUME DAMPER (MANUAL)
VEL	VELOCITY
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VOL	VOLUME
VP	VAPORPROOF
VSC	VARIABLE SPEED CONTROLLER
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
V V	VACUUM VENT
V (CHEM)	VENT - CHEMICAL
W	WASTE, WATTS / WIDTH
WAGD	WASTE ANESTHESIA GAS DISPOSAL
WAGDP	WASTE ANESTHESIA GAS DISPOSAL PUMP
WB	WET BULB / WASHER SUPPLY BOX
WC	WATER CLOSET
W/	WITH
WO	WALL OUTLET
W/O	WITHOUT
WFMD	WATER FLOW MEASURING DEVICE
WG	WATER GAUGE
WGT	WEIGHT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WT	WEIGHT
WTR	WATER
XE	XENON
XFMR	TRANSFORMER
YCO	YARD CLEANOUT
YH	YARD HYDRANT
Z	IMPEDANCE
ZVB	ZONE VALVE BOX
#	NUMBER / POUND
Δ	DELTA / DIFFERENCE
°	DEGREE
'	FEET
"	INCH(ES)
%	PERCENT

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No.	Date

JOB NO. 22DLS038
DATE: 04/01/2025

MEP ABBREVIATIONS AND GENERAL NOTES

HPE1.0

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HVAC SYMBOLS

	SUPPLY DIFFUSER OR SUPPLY GRILLE (NO AIRFLOW IN SHADED REGION)		INSULATED METAL PANEL
	RETURN DIFFUSER		BOOT TAP OR 45 DEGREE ENTRY FITTING
	EXHAUST DIFFUSER	R or D	R (RISE), D (DROP) ARROW IN DIRECTION OF AIR FLOW
	MANUAL VOLUME DAMPER	AD	ACCESS DOOR
FD	FIRE DAMPER WITH ACCESS DOOR		90 DEGREE ELBOW WITH TURNING VANES
SD	SMOKE DAMPER WITH ACCESS DOOR		STANDARD RADIUS ELBOW WITH CENTER RADIUS EQUAL TO 1-1/2 TIMES WIDTH OF DUCT
F/SD	FIRE/SMOKE DAMPER WITH ACCESS DOOR		
MD	AUTOMATIC MOTOR OPERATED DAMPER		INTERNALLY INSULATED DUCTWORK
BDD	BACK DRAFT DAMPER	20"X12" Ø	FLAT OVAL SPIRAL DUCT (WIDTH X HEIGHT)
AD AFMS	AIR FLOW MEASURING STATION	18" Ø	ROUND SPIRAL DUCT
	DUCT TURNED UP (SOLID LINES)	20"X12"	RECTANGULAR DUCT (WIDTH X HEIGHT)
	DUCT TURNED DOWN (DASHED LINES)		SPIN-IN FITTING WITH MANUAL VOLUME DAMPER AND FLEXIBLE DUCT CONNECTION
PLAN VIEW / SECTION / WITH FLEX DUCT	RETURN BRANCH DUCT TO RETURN GRILLE/DIFFUSER		CONICAL FITTING
		20"X12"	SQUARE TO ROUND TRANSITION
PLAN VIEW / SECTION / WITH FLEX DUCT	SUPPLY BRANCH DUCT TO SUPPLY GRILLE/DIFFUSER	TB-X	TYPICAL TERMINAL BOX WITH REHEAT COIL, TWO WAY CONTROL VALVE, BOX DESIGNATION
PLAN VIEW / SECTION / WITH FLEX DUCT	EXHAUST BRANCH DUCT TO EXHAUST GRILLE/DIFFUSER	TB-X	TYPICAL TERMINAL BOX WITH REHEAT COIL, THREE WAY CONTROL VALVE, BOX DESIGNATION
			TYPICAL CHILLED BEAM (24"X48")
	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE		
	SUPPLY, RETURN, OR EXHAUST SLOT DIFFUSER		90 DEGREE TEE (ROUND OR FLAT OVAL ONLY)
	STAINLESS WELDED DUCTWORK PER SPECIFICATION		

CONTROL SYMBOLS

TTT	AIR FLOW MEASURING STATION	HH	HUMIDITY TRANSMITTER (PNEUMATIC)	VSC	VARIABLE SPEED MOTOR CONTROLLER
AFS	AIR FLOW SWITCH	TLL	LOW LIMIT SAFETY THERMOSTAT	VP	VELOCITY PRESSURE SENSOR (ELECTRONIC)
AL	ALARM	MS 120/60/1 BY EC	MAGNETIC INDUCTIVE FLOW METER SENSOR	VS	VIBRATION SWITCH
BDD	BACK DRAFT DAMPER			VD	VOLUME DAMPER (MANUAL)
CO2 120/60/1 BY EC	CO_2 SENSOR	S	MANUAL SWITCH (ELECTRIC)	VXT	VORTEX SHEDDING AIR FLOW TRANSMITTER
		MDM	MODEM	VSM 120/60/1 BY EC	VORTEX SHEDDING FLOW METER
CS	CURRENT SENSOR	MCC	MOTOR CONTROL CENTER		
DD	DUCT DETECTOR	STR	MOTOR STARTER	20	20 PSIG MAIN AIR
I/S	CURRENT TO PNEUMATIC TRANSDUCER	OWS	OPERATOR'S WORK STATION		PRESSURE GAUGE
ES	DAMPER END SWITCH (BINARY)	OAD	OUTDOOR AIR DAMPER	HC	HOLDING COIL
ΔAP	DIFFERENTIAL PRESSURE SENSOR (ANALOG)	VPS	OUTDOOR AIR VOLUME PROBE, TRANSDUCER AND MONITOR	H	HUMIDISTAT (SPACE)
ΔP	DIFFERENTIAL PRESSURE SWITCH SENSOR (BINARY)	PR	PNEUMATIC RELAY	S	SWITCH (PNEUMATIC)
ΔP (HL)	DIFFERENTIAL PRESSURE SWITCH (HIGH LIMIT) (BINARY)	PE	PRESSURE-ELECTRIC SWITCH	T	THERMOSTAT (SPACE)
ΔP (LL)	(LOW LIMIT) (BINARY)	PC	PRESSURE CONTROLLER (PNEUMATIC)	T_N	THERMOSTAT (SPACE) NIGHT CYCLE
EP	ELECTRO-PNEUMATIC SWITCH	P	PRESSURE SENSOR (ELECTRONIC)		0-30 PSIG AIR GAUGE
EPT	ELECTRO-PNEUMATIC TRANSDUCER	PT	PRESSURE TRANSMITTER (PNEUMATIC)	LAN	LOCAL AREA NETWORK
EAD	EXHAUST AIR DAMPER	RAD	RETURN AIR DAMPER	TCC	TEMPERATURE CONTROL CONTRACTOR
FBD	FACE & BY-PASS DAMPER	SD	SMOKE DETECTOR	(NOTE: TCC & ECC ARE USED INTERCHANGEABLY)	
FDD	FAN DISCHARGE DAMPER	S/S	START/STOP SWITCH	ECC	ENVIRONMENTAL CONTROL CONTRACTOR
FID	FAN INLET DAMPER	OM 120/60/1 BY EC	STEAM FLOW MEASUREMENT ORIFICE PLATE & MASS FLOW COMPUTER	EC	ELECTRICAL CONTRACTOR
VXD	FAN INLET VORTEX DAMPER			P OR	PNEUMATIC
FC	FLOW CONTROLLER	TC	OVERRIDE TIMER	E OR	ELECTRICAL WIRING
FS	FLOW SENSOR	TC	TEMPERATURE CONTROLLER (PNEUMATIC)	AI-X	ANALOG INPUT (DDC CONTROLLER)
HOA	HAND-OFF-AUTO SWITCH	T	TEMPERATURE SENSOR (ELECTRONIC)	AO-X	ANALOG OUTPUT (DDC CONTROLLER)
HTC	HUMIDITY CONTROLLER (PNEUMATIC)	TT	TEMPERATURE TRANSMITTER (PNEUMATIC)	BI-X	BINARY INPUT (DDC CONTROLLER)
HTE	HUMIDITY HIGH LIMIT (ELECTRIC)	M	TERMINAL BOX ACTUATOR	BO-X	BINARY OUTPUT (DDC CONTROLLER)
H	HUMIDITY SENSOR (ELECTRONIC)	TM	TURBINE METER		

HVAC PIPING SYMBOLS

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
PHWS	PERIMETER HEATING WATER SUPPLY
PHWR	PERIMETER HEATING WATER RETURN
CBHWS	CHILLED BEAM HEATING WATER SUPPLY
CBHWR	CHILLED BEAM HEATING WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CBCWS	CHILLED BEAM CHILLED WATER SUPPLY
CBCWR	CHILLED BEAM CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
LPS	LOW PRESSURE STEAM
LPR	LOW PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MPR	MEDIUM PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HPR	HIGH PRESSURE CONDENSATE RETURN
TC	TRAPPED CONDENSATE IN TUNNEL (SYSTEM PRESSURE)
SV	STEAM VENT
CPD	CONDENSATE PUMP DISCHARGE
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
CD	CONDENSATE & EQUIPMENT DRAIN
BFW	BOILER FEED WATER
BWCF	BOILER WATER CHEMICAL FEED
CWCF	CONDENSER WATER CHEMICAL FEED
ECWS	EQUIPMENT COOLING WATER SUPPLY
ECWR	EQUIPMENT COOLING WATER RETURN
HRS	HEAT RECOVERY SUPPLY
HRR	HEAT RECOVERY RETURN
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
	DIRECTION OF PIPE SLOPE (DOWN)

VALVE AND FITTING SYMBOLS

PLAN VIEWS	DETAIL VIEW	
		PIPING FLEXIBLE CONNECTION
		PIPE TURNED UP (UNLESS NOTED OTHERWISE)
		PIPE TURNED DOWN
		PIPE OUT TOP
		PIPE OUT BOTTOM
		THREADED NIPPLE W/CAP
		PIPE WITH BLIND FLANGE
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		ISOLATION VALVE (PLUMBING SCHEMATIC)
		CHECK VALVE
		UNION
		GATE VALVE
		BALL VALVE
		GLOBE VALVE
		BUTTERFLY VALVE
		TEMPERATURE CONTROL - 2 WAY MODULATING VALVE
		TEMPERATURE CONTROL - 2 WAY 2 POSITION ISOLATION VALVE
	NC NO	TEMPERATURE CONTROL - 3 WAY MODULATING VALVE
	NC NO	TEMPERATURE CONTROL - 3 WAY 2 POSITION ISOLATION VALVE
		CALIBRATED BALANCE VALVE
		SAFETY RELIEF VALVE
		STRAINER
		FLOW METER
		FLOOR DRAIN
	A	AUTOMATIC FLOW CONTROL VALVE
		FLOW MEASURING DEVICE
		MANUAL AIR RELIEF VENT
		AUTOMATIC AIR RELIEF VENT
		LUBRICATED PLUG VALVE
		STEAM PRESSURE REDUCING VALVE
		ANGLE VALVE
		REFRIGERANT HOT GAS BY-PASS VALVE
		SHUT-OFF COCK (HYDRONICS)
		SOLENOID VALVE
		REFRIGERANT EXPANSION VALVE
		WATER PRESSURE REDUCING/REGULATING VALVE
	T	STEAM TRAP
		DIELECTRIC UNION BETWEEN STEEL AND COPPER
		STRAINER (STEAM)
	P	PRESSURE AND TEMPERATURE PLUG
		REFRIGERANT SIGHT GLASS
	T	THERMOMETER
P V T		(P=PRESS V=VAC T=TEMP) GAUGE
T H		SENSOR (T-TEMP H-HUMIDITY)
FS		FLOW SWITCH
	CO	CLEAN OUT
		INDICATED EXPANSION LOOP (COLD SPRUNG)
		ANCHOR
		GUIDE
		REFRIGERANT SHUT-OFF VALVE
		EXPANSION JOINT
	ΔT	DIFFERENTIAL SWITCH

RISER DIAGRAM SYMBOLS

SYMBOL	DESCRIPTION
	MOLDED CASE CIRCUIT BREAKER
	CURRENT TRANSFORMER
	GROUND CONNECTION
	GROUND POINT
	GROUND ROD
X	PAD MOUNTED TRANSFORMER ("X" DENOTES KVA SIZE)
	BRANCH PANELBOARD AND CABINET - RECESSED MOUNT
	BRANCH PANELBOARD AND CABINET - SURFACE MOUNT
T	ELECTRIC THERMOSTAT
	MOTOR ("X" DENOTES HORSEPOWER)
G	GENERATOR/ALTERNATOR
	AUTOMATIC TRANSFER SWITCH
	GROUND BUS

MOTOR AND EQUIPMENT POWER CONTROLLERS, DISCONNECT SWITCHES.

SYMBOL	DESCRIPTION
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - NON-FUSED
	MOTOR CONTROLLER
	COMBINATION MOTOR CONTROLLER
EQ	EQUIPMENT JUNCTION BOX

RECEPTACLES

	DUPLEX RECEPTACLE, NORMAL / EMERGENCY / MOUNTED AT 8" ABOVE THE COUNTER. U.N.O.
	QUADRAPLEX RECEPTACLE, NORMAL / EMERGENCY / MOUNTED AT 8" ABOVE THE COUNTER. U.N.O.
	SIMPLEX RECEPTACLE, NORMAL / EMERGENCY / MOUNTED AT 8" ABOVE THE COUNTER. U.N.O.
	SPECIAL RECEPTACLE, NORMAL / EMERGENCY / MOUNTED AT 8" ABOVE THE COUNTER. U.N.O.
	DUPLEX - CEILING MOUNTED, NORMAL / EMERGENCY
	QUADRAPLEX - CEILING MOUNTED, NORMAL / EMERGENCY
	FLOOR BOX (DUPLEX), NORMAL / EMERGENCY
	FLOOR BOX (QUADRAPLEX), NORMAL / EMERGENCY
	FLOOR BOX (BLANK)
	FLOOR BOX (POWER AND DATA)

RACEWAYS

J	JUNCTION OR PULL BOX
	WIREMOLD
MH	MANHOLE
HH	HANDHOLE

LIGHTING AND, FRACTIONAL MOTOR SWITCHES AND CONTROLS

SYMBOL	DESCRIPTION
$	TOGGLE SWITCH - 20 AMP, 120/277VAC
^{3}	TOGGLE SWITCH - 3-WAY
^{4}	TOGGLE SWITCH - 4-WAY
^{P}	TOGGLE SWITCH - PILOT LIGHT
^{K}	TOGGLE SWITCH - KEY OPERATED
^{D}	INDIVIDUAL LIGHT DIMMER
^{a}	LETTER DESIGNATION INDICATES SWITCH LEG
^{T}	HORSEPOWER RATED MANUAL MOTOR STARTER TOGGLE SWITCH WITH THERMAL OVERLOAD PROTECTION
LC	LIGHTING CONTROLLER
M	MOTION DETECTOR (LIGHT SWITCH)
OC	OCCUPANCY SENSOR (CEILING MOUNTED)
OC	OCCUPANCY SENSOR WITH LIGHT SWITCH (WALL MOUNTED)
VS	VACANCY SENSOR (CEILING MOUNTED)
VS	VACANCY SENSOR WITH LIGHT SWITCH (WALL MOUNTED)
PC	PHOTO CELL

AUDIO/CLOCK/PAGING SYSTEM

AV	AUDIO/VISUAL CONTROLLER
C	WALL MOUNTED CLOCK
M	MICROPHONE INPUT RECEPTACLE - WALL MOUNTED
M	MICROPHONE INPUT RECEPTACLE - FLOOR MOUNTED
M	MICROPHONE INPUT RECEPTACLE - CEILING MOUNTED
S	WALL MOUNTED PAGING HORN SPEAKER (ROUGH-IN)
S	LOUDSPEAKER - CEILING MOUNTED
S_V	LOUDSPEAKER - CEILING MOUNTED WITH VOLUME CONTROL
S	LOUDSPEAKER - WALL MOUNTED
V	VOLUME CONTROL

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
FD	FLAME DETECTOR
DD	DUCT SMOKE DETECTOR
AR	ADDRESSABLE RELAY
RI	REMOTE INDICATOR STATION
RT	REMOTE TEST STATION
BD	BEAM DETECTOR
M	MANUAL PULL STATION
FS	FLOW SWITCH
TS	TAMPER SWITCH
H	HORN ONLY
H	HORN STROBE
C	CHIME ONLY
C	CHIME STROBE
S	SPEAKER ONLY
S	SPEAKER STROBE
B	BELL ONLY
B	BELL STROBE
V	VISUAL ONLY
DH	DOOR HOLD OPEN
AM	ADDRESSABLE MODULE
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FANP	FIRE ALARM NOTIFICATION APPLIANCE PANEL
FAPS	FIRE ALARM POWER SUPPLY
FATC	FIRE ALARM TERMINAL CABINET
FGCC	FIRE ALARM GRAPHICS COMMAND CENTER
FT	FIREMEN'S TELEPHONE
RA	RESCUE ASSISTANCE STATION (AREA OF REFUGE)
VSS	VALVE SUPERVISORY SWITCH

SECURITY SYSTEM

SYMBOL	DESCRIPTION
MTV	CCTV MONITOR OUTLET
	DOOR BUZZER
DR	ELECTRIC DOOR RELEASE BUTTON
ES	ELECTRIC DOOR STRIKE
IC	INTERCOM UNIT FLUSH MTD.
MI	MASTER INTERCOM AND DIRECTORY UNIT
SCP	SECURITY CONTROL PANEL
ML	SECURITY MAGNETIC DOOR LOCK
CR	SECURITY CARD READER
MD	MOTION DETECTOR
DC	SECURITY DOOR CONTACTS
PB	SECURITY EXIT PUSH BUTTON
SM	SECURITY MONITOR
REX	SECURITY DOOR REQUEST TO EXIT MOTION DETECTOR
K	SECURITY KEYPAD
BS	BIOSCAN ACCESS PAD
DA	DURESS ALARM (HOLD UP BUTTON)
PT	ELECTRIC POWER TRANSFER
PP	PUSH PLATE
TA	TOUCHLESS ACTUATOR
PB	DOOR RELEASE PUSH BUTTON
CR K	COMBINATION CARD READER WITH KEYPAD
DPS	DOOR POWER SUPPLY
	CAMERA
EXT	CAMERA - EXTERIOR
PTZ	CAMERA - PAN/TILT/ZOOM

LIGHTING

	HALF SHADED INDICATES LIFE SAFETY POWER
	FULL SHADED INDICATES EMERGENCY POWER
	12x48 LIGHTING FIXTURE
	24x48 LIGHTING FIXTURE
	24x24 LIGHTING FIXTURE
	WALL LIGHTS
	STEM MOUNTED WALL LIGHTS
	WALL MOUNTED SCONCE
	DOWN LIGHT
	WALL MOUNTED EMERGENCY BATTERY LIGHT
	CEILING MOUNTED EMERGENCY BATTERY LIGHT
	GROUND FLOOD LIGHT
	EXTERIOR FLOOD LIGHT

EXIT SIGNS

	CEILING MOUNTED EXIT LIGHT (DUAL FACED)
	CEILING MOUNTED EXIT LIGHT
	WALL MOUNTED EXIT LIGHT
	EXIT LIGHT DIRECTIONAL ARROWS

SITE FIXTURES AND POLES

	EXTERIOR POLE LIGHTS (SINGLE HEADS)
	EXTERIOR POLE LIGHTS (DOUBLE HEADS)
	EXTERIOR POLE LIGHTS (THREE HEADS)
	EXTERIOR POLE LIGHTS (FOUR HEADS)
	EXTERIOR POLE LIGHTS (POLE TOP MOUNT)
	EXTERIOR LIGHTS (BOLLARDS)

CLOCK SYSTEM

SYMBOL	DESCRIPTION
C	WALL MOUNTED CLOCK
CT	DIGITAL TIME CLOCK/ELAPSED TIME SYSTEM OUTLET

TELECOMMUNICATION SYSTEM

	VOICE ONLY OUTLET
	VOICE AND DATA OUTLET
	DATA ONLY OUTLET
WAP	WIRELESS ACCESS POINT
	FLOOR BOX (VOICE, DATA, VOICE/DATA)
TV WAP PROJ	CEILING MOUNTED (DATA, VOICE/DATA)
IC	WALL MOUNTED INTERCOM STATION
	VOICE AND DATA / DATA ONLY OUTLET, MOUNTED AT 8" ABOVE THE COUNTER. U.N.O.
	TELECOMMUNICATIONS EQUIPMENT RACK
TV	TV OUTLET - 2 DATA. 1 COAX
PS	ANTENNA PUBLIC SAFETY
C	ANTENNA CELLULAR
AV	AUDIO / VISUAL CONTROLLER

FLOOR PLAN SYMBOLS

1 A101 TYP	SECTION WITH TOP NUMBER INDICATING SECTION DESIGNATION AND BOTTOM NUMBER INDICATING DRAWING THAT SECTION IS CUT ON OR DRAWING THAT SECTION IS DRAWN ON
1 A101 TYP	DETAIL WITH TOP LETTER INDICATING DETAIL DESIGNATION AND BOTTOM NUMBER INDICATING DRAWING THAT DETAIL IS REFERENCED ON OR DRAWING THAT DETAIL IS DRAWN ON
A.	GENERAL NOTE
1.	PLAN NOTE LIST
1	PLAN NOTE
A	MEDICAL GAS OUTLET NOTE
	CONNECT NEW WORK TO EXISTING

LINE SYMBOLS

	LIGHT/SCREENED SOLID OR DASHED LINES INDICATE EXISTING TO REMAIN
	LIGHT DASHED LINES INDICATE BELOW/BEHIND WORK
	HEAVY DASHED LINES INDICATE EXISTING TO BE REMOVED
	HEAVY CONTINUOUS LINES INDICATE NEW WORK
	LIGHT DOT LINES INDICATE FUTURE WORK

SYMBOL NOTES

1. NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT.
2. NOT ALL PLAN NOTE MAY BE USED ON EVERY SHEET ON THIS PROJECT.

GOVERNING CITY, UTILITY & LOCAL CODE

GOVERNING CITY -

UTILITY COMPANY -

APPLICABLE CODES - *____* ENERGY CONSERVATION CODE.
____ NATIONAL ELECTRICAL CODE .
____ LIFE SAFETY CODE (NFPA 101).

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REVISIONS:

No.	Date

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MEP SYMBOLS

HPE2.0

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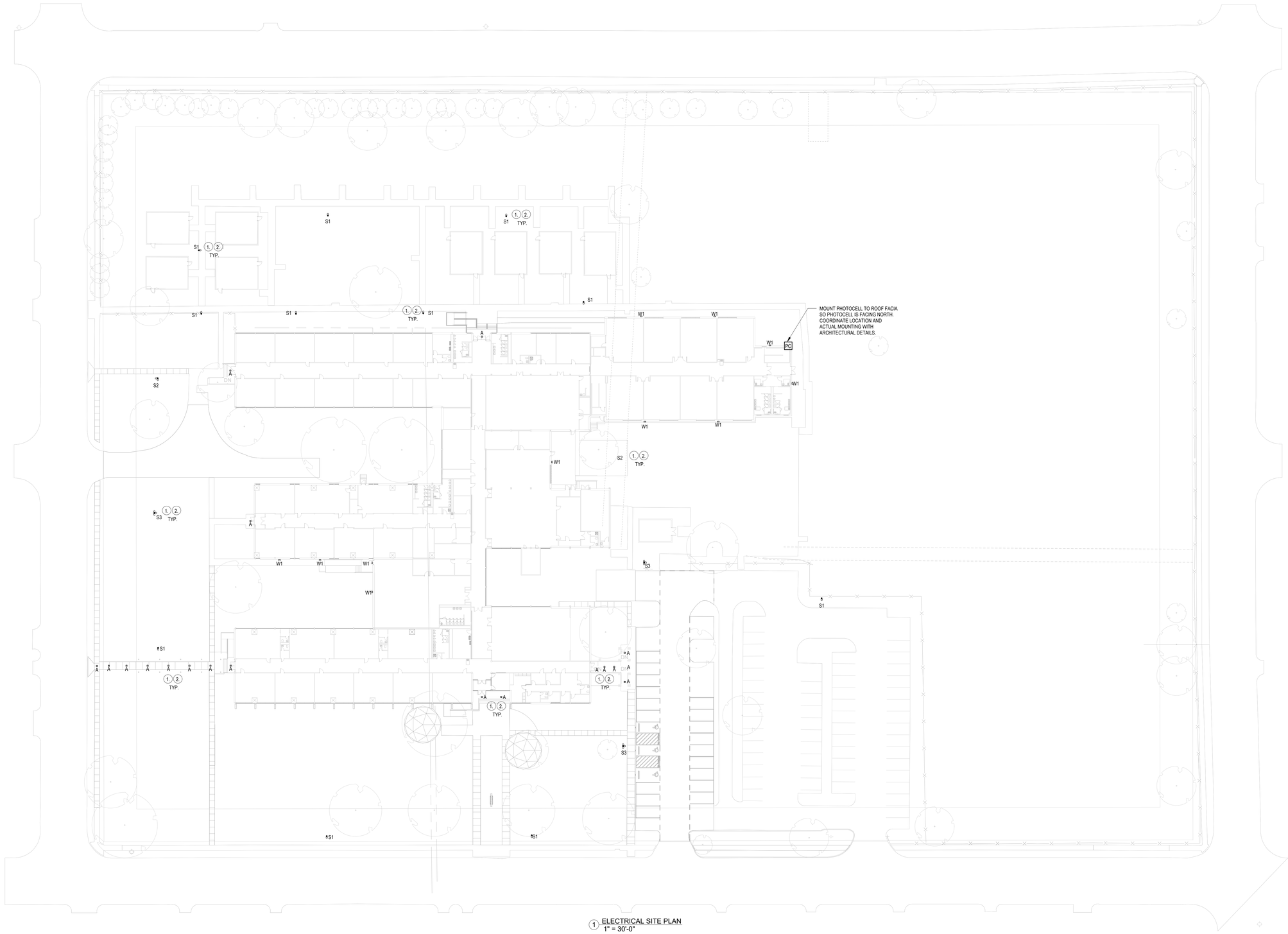
LIGHTING GENERAL NOTES

1. ALL PROJECT LIGHTING FIXTURE SELECTIONS SHALL BE APPROVED BY ARCHITECT AT TIME OF SHOP DRAWINGS. VERIFY SELECTIONS PRIOR TO ORDERING.
2. ALL FIXTURES FINISHES AND MOUNTING OPTIONS SHALL BE SELECTED BY ARCHITECT AT TIME OF SHOP DRAWINGS FROM MANUFACTURER'S STANDARDS. VERIFY SELECTIONS PRIOR TO ORDERING
3. EC SHALL REFER TO FINAL ARCHITECTURAL DIMENSIONED PLANS FOR ACTUAL LOCATIONS AND ELEVATIONS OF LIGHTING FIXTURES PRIOR TO ROUGH-INS.
4. EXTERIOR LIGHTING CONTROL SYSTEM SHALL BE BASED ON TIME SCHEDULE AND PHOTOCELL. COORDINATE TIME SCHEDULES WITH OWNER PRIOR TO PROGRAMMING. PROVIDE MANUAL OVERRIDE SWITCHES TO SUPPORT MANUAL CONTROL AS PER C405.2.2.1.5.

PLAN NOTES

1. EC TO REPLACE EXISTING POLE MOUNTED AND WALL MOUNTED LIGHT FIXTURES WITH NEW LED LIGHTS AND FIXTURES SHALL BE CONNECTED TO THE EXISTING CIRCUIT. EC TO VERIFY THE EXISTING CONDITION OF WIRING CONNECTED PRIOR TO ROUGH-IN.
2. ALL NEW POLE MOUNTED, CANOPY, AND WALL MOUNTED LIGHT FIXTURES SHALL BE FED FROM THE EXISTING CIRCUIT WITHIN THE VICINITY. EC TO VERIFY THE EXISTING CIRCUIT LOADS PRIOR TO ROUGH-IN.



1 ELECTRICAL SITE PLAN
1" = 30'-0"

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ELECTRICAL SITE PLAN

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GENERAL NOTES FOR DEMOLITION - FIRE ALARM

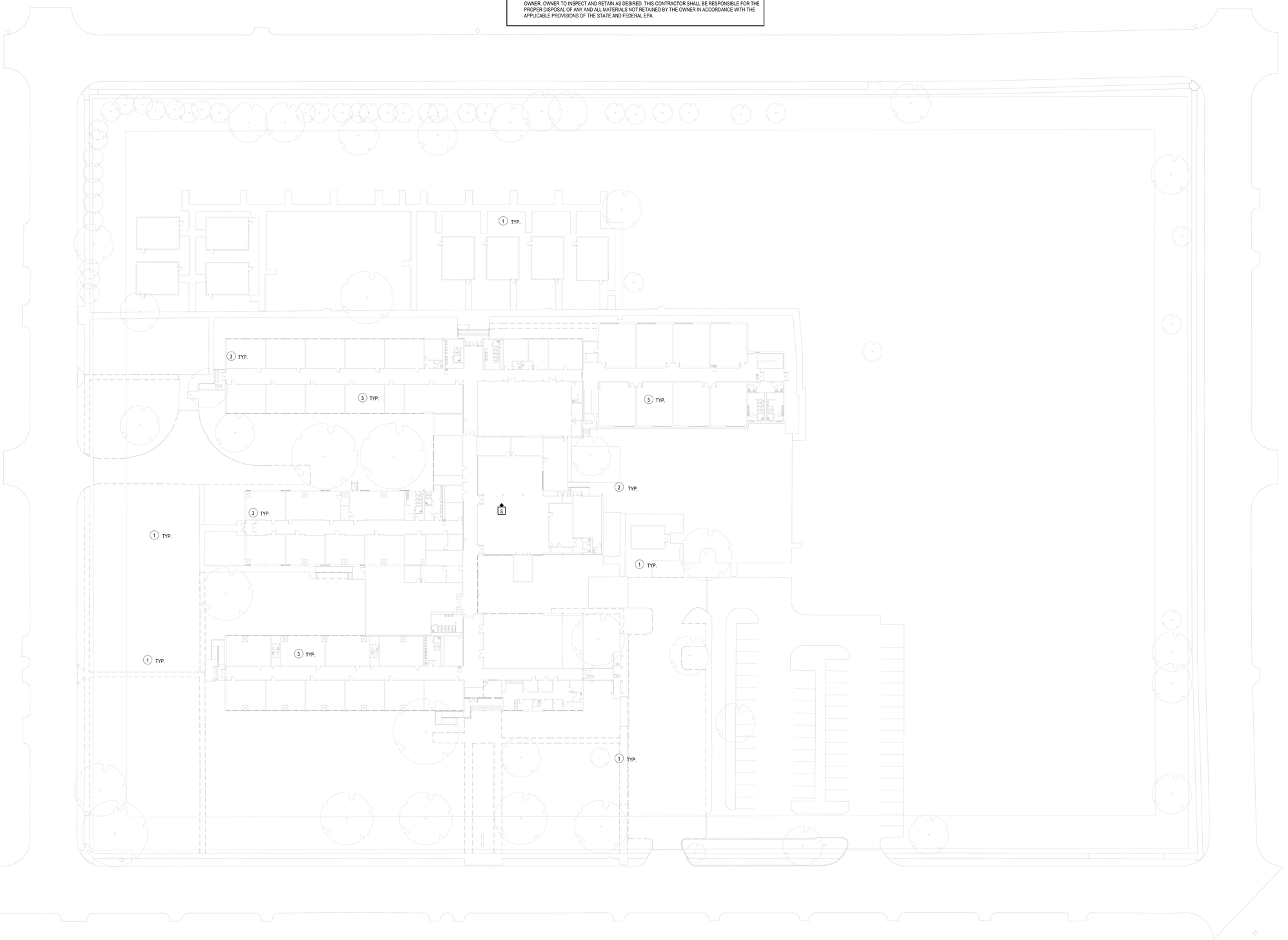
A. ALL FIRE ALARM DEVICES AND WIRING TO BE DEMOLISHED BACK TO SOURCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/ PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED OR RELOCATED TO ACCOMODATE NEW FIRE ALARM SYSTEM.
B. EXISTING INTERCOM SYSTEM TO BE DEMOLISHED. REMOVE ALL EQUIPMENT, DEVICES AND WIRING BACK TO SOURCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED.
C. CONTRACTOR TO COORDINATE DEMOLITION AND INSTALLATION WORK SCHEDULES WITH APPROPRIATE PARTIES OF THE SCHOOL MANAGEMENT PRIOR TO COMMENCEMENT OF ANY WORK.
D. MAINTAIN EXISTING FIRE ALARM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
E. MAINTAIN EXISTING INTERCOM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
F. CONDUIT ROUTED UNDER SLAB OR EMBEDDED IN EXTERIOR WALLS THAT ARE INDICATED TO REMAIN SHALL BE CUT FLUSH WITH THE SURFACE AND THE CONDUCTORS REMOVED BACK TO THE SOURCE. RACEWAYS SHALL BE CAPPED AND SEALED.
G. UNDER NO CIRCUMSTANCES SHALL ELECTRICAL WIRING BE ABANDONED IN PLACE. ALL ELECTRICAL WIRING NOT BEING REUSED TO SUPPORT EXISTING TO REMAIN SYSTEMS SHALL BE REMOVED IN ITS ENTIRETY.
H. PATCH ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND DEVICES. PROVIDE MATCHING BLANK COVER PLATES AS REQUIRED.
I. ANY INTERRUPTION IN POWER, TELECOMMUNICATION, FIRE ALARM AND OTHER RELATED SERVICES SHALL BE COORDINATED WITH OWNER. SCHEDULE WORK TO CAUSE MINIMUM SERVICE INTERRUPTION IN AREAS OUTSIDE OF THE PROJECT SCOPE.TEMPORARY SERVICES SHALL BE PROVIDED AS REQUIRED TO ENSURE SUCH SERVICES TO OTHER AREAS ARE NOT OWNER PRIOR TO BID/PRICING.
J. ENSURE THAT ALL EXISTING TO REMAIN CONDUIT AND RACEWAYS AFFECTED BY DEMOLITION WORK ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE APPLICABLE CODES. PROVIDE ADDITIONAL SUPPORT WHERE REQUIRED.
K. PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.
L. EXISTING WALLS WITH NEW FINISHES: EXTEND EXISTING TO REMAIN DEVICES TO BE FLUSH WITH THE NEW FINISH AS REQUIRED. PROVIDE NEW COVER PLATES.
M. ALL EXISTING TO REMAIN AND RELOCATED DEVICES SHALL BE INSPECTED. REPLACE THE DEFECTIVE UNITS WITH NEW AND PROVIDE NEW COVER PLATES. REMOVED MATERIAL IS CONSIDERED PROPERTY OF THE OWNER. OWNER TO INSPECT AND RETAIN AS DESIRED. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ANY AND ALL MATERIALS NOT RETAINED BY THE OWNER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE AND FEDERAL EPA.

GENERAL NOTES FOR DEMOLITION

A. DEVICES TO BE DEMOLISHED OR MODIFIED SHOWN ON DEMOLITION DRAWINGS IS TO GUIDE THE CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK FOR THIS PROJECT. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS AND VISIT PROJECT SITE PRIOR TO BID/ PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED OR RELOCATED AND ALSO IDENTIFY ADDITIONAL DEVICES NOT SHOWN ON THE DEMOLITION DRAWINGS.
B. CONDUIT ROUTED UNDER SLAB OR EMBEDDED IN EXTERIOR WALLS THAT ARE INDICATED TO REMAIN SHALL BE CUT FLUSH WITH THE SURFACE AND THE CONDUCTORS REMOVED BACK TO THE SOURCE. RACEWAYS SHALL BE CAPPED AND SEALED.
C. UNDER NO CIRCUMSTANCES SHALL ELECTRICAL WIRING BE ABANDONED IN PLACE. ALL ELECTRICAL WIRING NOT BEING REUSED TO SUPPORT EXISTING TO REMAIN SYSTEMS SHALL BE REMOVED IN ITS ENTIRETY.
D. PATCH ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND DEVICES. PROVIDE MATCHING BLANK COVER PLATES AS REQUIRED.
E. ANY INTERRUPTION IN POWER, TELECOMMUNICATION, FIRE ALARM AND OTHER RELATED SERVICES SHALL BE COORDINATED WITH OWNER. SCHEDULE WORK TO CAUSE MINIMUM SERVICE INTERRUPTION IN AREAS OUTSIDE OF THE PROJECT SCOPE. TEMPORARY SERVICES SHALL BE PROVIDED AS REQUIRED TO ENSURE SUCH SERVICES TO OTHER AREAS AND TENANT SPACES ARE NOT DISRUPTED. VERIFY REQUIREMENTS FOR TEMPORARY SERVICES WITH OWNER PRIOR TO BID/PRICING.
F. ENSURE THAT ALL EXISTING TO REMAIN CONDUIT AND RACEWAYS AFFECTED BY DEMOLITION WORK ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE APPLICABLE CODES. PROVIDE ADDITIONAL SUPPORT WHERE REQUIRED.
G. PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.
H. EXISTING WALLS WITH NEW FINISHES: EXTEND EXISTING TO REMAIN DEVICES TO BE FLUSH WITH THE NEW FINISH AS REQUIRED. PROVIDE NEW COVER PLATES.
I. ALL EXISTING TO REMAIN AND RELOCATED DEVICES SHALL BE INSPECTED. REPLACE THE DEFECTIVE UNITS WITH NEW AND PROVIDE NEW COVER PLATES.
J. REMOVED MATERIAL IS CONSIDERED PROPERTY OF THE OWNER. OWNER TO INSPECT AND RETAIN AS DESIRED. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ANY AND ALL MATERIALS NOT RETAINED BY THE OWNER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE AND FEDERAL EPA.
K. COMPLY WITH DALLAS ISD TECHNICAL DESIGN GUIDELINES (TDG) DIV. 26.50.00 LIGHTING TYPICAL.

PLAN NOTES

1 EXISTING LIGHT POLES SHALL BE RETAINED. EC TO REMOVE ALL EXISTING EXTERIOR LIGHT FIXTURES AND RETURNED TO THE OWNER.
2 ALL EXISTING EXTERIOR LIGHTS INLCUDING WALL MOUNTED AND CANOPY LIGHT FIXTURES TO BE REMOVED AND RETURNED BACK TO OWNER.
3 ALL FIRE ALARM DEVICES, FIRE ALARM CONTROL PANEL, FARP AND ASSOCIATED WIRING IN THE FACILITY TO BE REMOVED AND RETURNED BACK TO OWNER.



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ELECTRICAL DEMOLITION PLAN

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1 LEVEL 1 POWER AND SYSTEMS PLAN
1/16" = 1'-0"

GENERAL NOTES FOR DEMOLITION - FIRE ALARM

A. ALL FIRE ALARM DEVICES AND WIRING TO BE DEMOLISHED BACK TO SOURCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/ PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED OR RELOCATED TO ACCOMODATE NEW FIRE ALARM SYSTEM.
B. EXISTING INTERCOM SYSTEM TO BE DEMOLISHED. REMOVE ALL EQUIPMENT, DEVICES AND WIRING BACK TO SOURCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED.
C. CONTRACTOR TO COORDINATE DEMOLITION AND INSTALLATION WORK SCHEDULES WITH APPROPRIATE PARTIES OF THE SCHOOL MANAGEMENT PRIOR TO COMMENCEMENT OF ANY WORK.
D. MAINTAIN EXISTING FIRE ALARM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
E. MAINTAIN EXISTING INTERCOM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
F. CONDUIT ROUTED UNDER SLAB OR EMBEDDED IN EXTERIOR WALLS THAT ARE INDICATED TO REMAIN SHALL BE CUT FLUSH WITH THE SURFACE AND THE CONDUCTORS REMOVED BACK TO THE SOURCE. RACEWAYS SHALL BE CAPPED AND SEALED.
G. UNDER NO CIRCUMSTANCES SHALL ELECTRICAL WIRING BE ABANDONED IN PLACE. ALL ELECTRICAL WIRING NOT BEING REUSED TO SUPPORT EXISTING TO REMAIN SYSTEMS SHALL BE REMOVED IN ITS ENTIRETY.
H. PATCH ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND DEVICES. PROVIDE MATCHING BLANK COVER PLATES AS REQUIRED.
I. ANY INTERRUPTION IN POWER, TELECOMMUNICATION, FIRE ALARM AND OTHER RELATED SERVICES SHALL BE COORDINATED WITH OWNER. SCHEDULE WORK TO CAUSE MINIMUM SERVICE INTERRUPTION IN AREAS OUTSIDE OF THE PROJECT SCOPE.TEMPORARY SERVICES SHALL BE PROVIDED AS REQUIRED TO ENSURE SUCH SERVICES TO OTHER AREAS ARE NOT OWNER PRIOR TO BID/PRICING.
J. ENSURE THAT ALL EXISTING TO REMAIN CONDUIT AND RACEWAYS AFFECTED BY DEMOLITION WORK ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE APPLICABLE CODES. PROVIDE ADDITIONAL SUPPORT WHERE REQUIRED.
K. PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.
L. EXISTING WALLS WITH NEW FINISHES: EXTEND EXISTING TO REMAIN DEVICES TO BE FLUSH WITH THE NEW FINISH AS REQUIRED. PROVIDE NEW COVER PLATES.
M. ALL EXISTING TO REMAIN AND RELOCATED DEVICES SHALL BE INSPECTED, REPLACE THE DEFFECTIVE UNITS WITH NEW AND PROVIDE NEW COVER PLATES. REMOVED MATERIAL IS CONSIDERED PROPERTY OF THE OWNER. OWNER TO INSPECT AND RETAIN AS DESIRED. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ANY AND ALL MATERIALS NOT RETAINED BY THE OWNER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE AND FEDERAL EPA.

GENERAL NOTES

A. FIRE ALARM DEVICES SHOWN ON PLANS ARE TO CONVEY FIRE ALARM DESIGN INTENT. CONTRACTOR TO PROVIDE NUMBER OF DEVICES AS RECOMMENDED BY THE MANUFACTURER FOR A FULLY FUNCTIONAL SYSTEM APPROVED BY THE AHJ.
B. CONTRACTOR TO VERIFY EXISTING FEEDER AND BREAKER SIZE FOR EXISTING INTERCOM EQUIPMENT. VERIFY NEW INTERCOM SYSTEM POWER REQUIREMENTS TO BE INSTALLED BY OWNER. CONTRACTOR TO INFORM EOR (ENGINEER OF RECORD) IF NEW POWER REQUIREMENTS FOR INTERCOM EQUIPMENTS DO NOT MATCH EXISTING.

PLAN NOTES

1 FOR ACCU-1, EC TO PROVIDE (1) 208V/30A,2P DISCONNECT SWITCH AND PROVIDE (1) 208V/30A/2P CIRCUIT BREAKER IN THE NEAREST 208V PANEL. WIRING SHALL BE #10AWG IN 1/2" CONDUIT. EC TO COORDINATE WITH HVAC ENGINEER PRIOR TO ROUGH-IN.
2 FOR ACCU-2, EC TO PROVIDE (1) 208V/30A,2P DISCONNECT SWITCH AND PROVIDE (1) 208V/30A/2P CIRCUIT BREAKER IN THE NEAREST 208V PANEL. WIRING SHALL BE #10AWG IN 1/2" CONDUIT. EC TO COORDINATE WITH HVAC ENGINEER PRIOR TO ROUGH-IN.
3 FOR VAV-1-1 TO VAV-1-11 480V/3P/10KW, EC TO PROVIDE NEW 480V/20A,3P DISCONNECT SWITCH FOR EACH VAV UNIT. EC TO REUSE THE EXISTING CIRCUIT. EC TO COORDINATE WITH HVAC ENGINEER FOR EXACT LOAD REQUIREMENTS PRIOR TO ROUGH-IN.

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No. Date

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DATE: 06/11/2025

FIRST FLOOR POWER AND SYSTEMS PLAN

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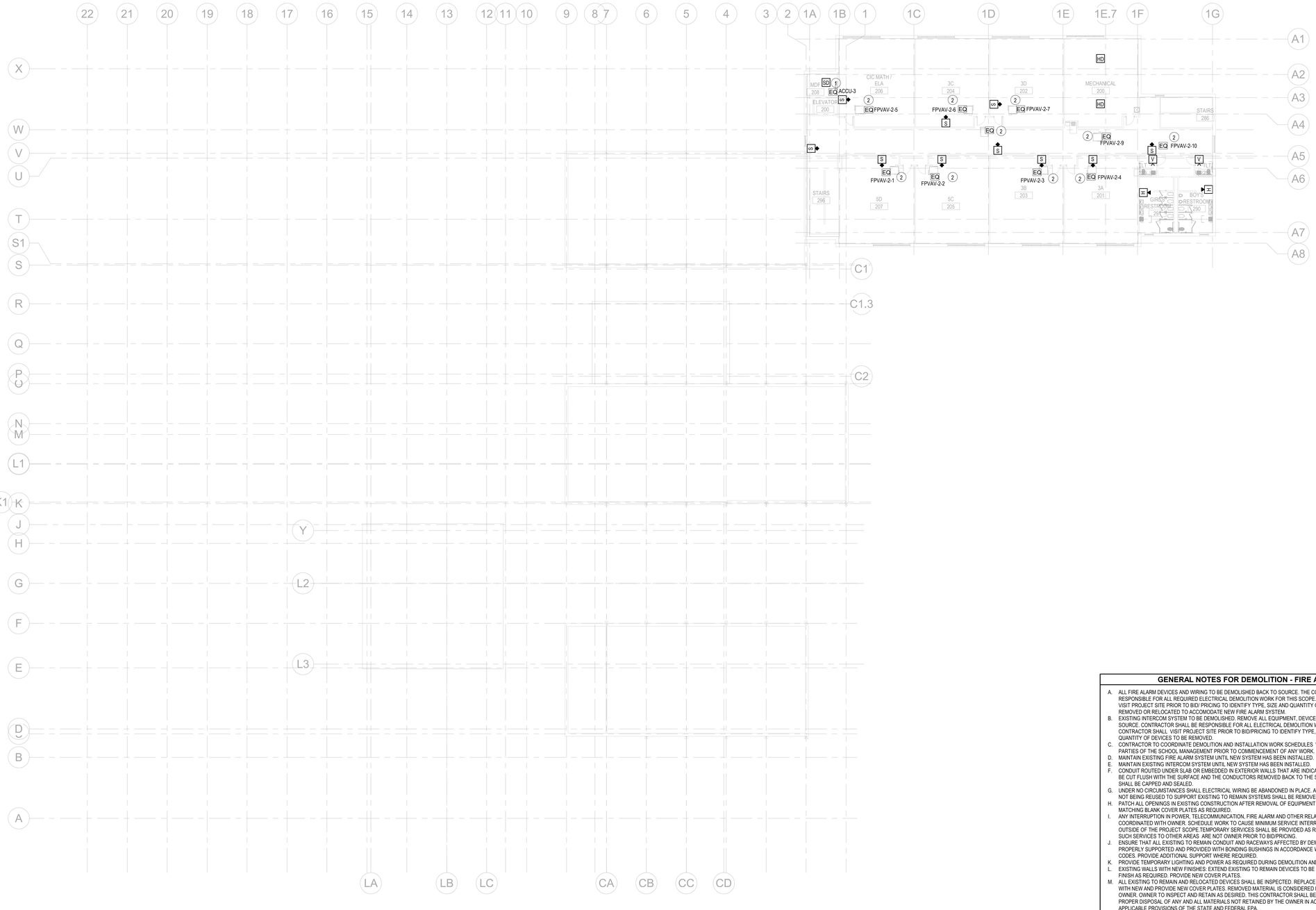

1 LEVEL 2 POWER AND SYSTEMS PLAN
1/16" = 1'-0"

GENERAL NOTES FOR DEMOLITION - FIRE ALARM

A. ALL FIRE ALARM DEVICES AND WIRING TO BE DEMOLISHED BACK TO SOURCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/ PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED OR RELOCATED TO ACCOMODATE NEW FIRE ALARM SYSTEM.
B. EXISTING INTERCOM SYSTEM TO BE DEMOLISHED. REMOVE ALL EQUIPMENT, DEVICES AND WIRING BACK TO SOURCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION WORK FOR THIS SCOPE. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BID/PRICING TO IDENTIFY TYPE, SIZE AND QUANTITY OF DEVICES TO BE REMOVED.
C. CONTRACTOR TO COORDINATE DEMOLITION AND INSTALLATION WORK SCHEDULES WITH APPROPRIATE PARTIES OF THE SCHOOL MANAGEMENT PRIOR TO COMMENCEMENT OF ANY WORK.
D. MAINTAIN EXISTING FIRE ALARM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
E. MAINTAIN EXISTING INTERCOM SYSTEM UNTIL NEW SYSTEM HAS BEEN INSTALLED.
F. CONDUIT ROUTED UNDER SLAB OR EMBEDDED IN EXTERIOR WALLS THAT ARE INDICATED TO REMAIN SHALL BE CUT FLUSH WITH THE SURFACE AND THE CONDUCTORS REMOVED BACK TO THE SOURCE. RACEWAYS SHALL BE CAPPED AND SEALED.
G. UNDER NO CIRCUMSTANCES SHALL ELECTRICAL WIRING BE ABANDONED IN PLACE. ALL ELECTRICAL WIRING NOT BEING REUSED TO SUPPORT EXISTING TO REMAIN SYSTEMS SHALL BE REMOVED IN ITS ENTIRETY.
H. PATCH ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND DEVICES. PROVIDE MATCHING BLANK COVER PLATES AS REQUIRED.
I. ANY INTERRUPTION IN POWER, TELECOMMUNICATION, FIRE ALARM AND OTHER RELATED SERVICES SHALL BE COORDINATED WITH OWNER. SCHEDULE WORK TO CAUSE MINIMUM SERVICE INTERRUPTION IN AREAS OUTSIDE OF THE PROJECT SCOPE.TEMPORARY SERVICES SHALL BE PROVIDED AS REQUIRED TO ENSURE SUCH SERVICES TO OTHER AREAS ARE NOT OWNER PRIOR TO BID/PRICING.
J. ENSURE THAT ALL EXISTING TO REMAIN CONDUIT AND RACEWAYS AFFECTED BY DEMOLITION WORK ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE APPLICABLE CODES. PROVIDE ADDITIONAL SUPPORT WHERE REQUIRED.
K. PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.
L. EXISTING WALLS WITH NEW FINISHES: EXTEND EXISTING TO REMAIN DEVICES TO BE FLUSH WITH THE NEW FINISH AS REQUIRED. PROVIDE NEW COVER PLATES.
M. ALL EXISTING TO REMAIN AND RELOCATED DEVICES SHALL BE INSPECTED. REPLACE THE DEFECTIVE UNITS WITH NEW AND PROVIDE NEW COVER PLATES. REMOVED MATERIAL IS CONSIDERED PROPERTY OF THE OWNER. OWNER TO INSPECT AND RETAIN AS DESIRED. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ANY AND ALL MATERIALS NOT RETAINED BY THE OWNER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE AND FEDERAL EPA.

GENERAL NOTES

A. FIRE ALARM DEVICES SHOWN ON PLANS ARE TO CONVEY FIRE ALARM DESIGN INTENT. CONTRACTOR TO PROVIDE NUMBER OF DEVICES AS RECOMMENDED BY THE MANUFACTURER FOR A FULLY FUNCTIONAL SYSTEM APPROVED BY THE AHJ.
B. CONTRACTOR TO VERIFY EXISTING FEEDER AND BREAKER SIZE FOR EXISTING INTERCOM EQUIPMENT. VERIFY NEW INTERCOM SYSTEM POWER REQUIREMENTS TO BE INSTALLED BY OWNER. CONTRACTOR TO INFORM EOR (ENGINEER OF RECORD) IF NEW POWER REQUIREMENTS FOR INTERCOM EQUIPMENTS DO NOT MATCH EXISTING.

PLAN NOTES

1 FOR ACCU-3, EC TO PROVIDE (1) 208V/30A,2P DISCONNECT SWITCH AND PROVIDE (1) 208V/30A/2P CIRCUIT BREAKER IN TH NEAREST 208V PANEL. WIRING SHALL BE #10AWG IN 1/2" CONDUIT. EC TO COORDINATE WITH HVAC ENGINEER PRIOR TO ROUGH-IN.
2 FOR VAV-2-1 TO VAV-2-10, 480V/3P/10KW. EC TO PROVIDE NEW 480V/20A,3P DISCONNECT SWITCH FOR EACH VAV UNIT. EC TO REUSE THE EXISTING CIRCUIT. EC TO COORDINATE WITH HVAC ENGINEER FOR EXACT LOAD REQUIREMENTS PRIOR TO ROUGH-IN.

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SECOND FLOOR POWER AND SYSTEMS PLAN

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EQUIPMENT SCHEDULES GENERAL NOTES AND ABBREVIATIONS

- SEE POWER DRAWINGS FOR EQUIPMENT LOCATIONS.
- SEE EQUIPMENT SCHEDULES FOR PANELBOARD FEEDER/BRANCH CIRCUIT NUMBERS AND FEEDER/BRANCH CIRCUIT SIZE.
- SEE PANELBOARD SCHEDULES FOR OVERCURRENT PROTECTION DEVICE (OCPD) RATINGS.
- FEEDER/BRANCH CIRCUIT SIZE AND OCPD RATINGS ARE DERIVED FROM DESIGN MANUFACTURER SPECIFICATIONS OR STANDARD MOTOR SIZING PER THE NEC FOR ALL THE SYSTEMS.

- PRIOR TO INSTALLING CONDUIT: CONTRACTOR SHALL REVIEW AND CONFIRM CONTRACT DRAWINGS, REVISIONS, SUBMITTALS AND SHOP DRAWINGS FOR FINAL EQUIPMENT LOCATION, ELEVATION, POWER, AND CONNECTION REQUIREMENTS WITH SPECIFIC TRADES AND THEIR SELECTED MANUFACTURERS.
- PRIOR TO INSTALLING CONDUIT: ALL FEEDER/BRANCH CIRCUIT SIZES, OCPD SIZES, CONTROLLER/STARTER RATINGS, DISCONNECT SWITCH RATINGS, AND THERMAL OVERLOAD RATINGS SHALL BE CONFIRMED IN THE FIELD AND PROVIDED PER SELECTED MANUFACTURER'S RECOMMENDATIONS.

- PROVIDE CONNECTION TO MOTOR/LISTED EQUIPMENT.
- CONFIRM MOTOR ROTATION/OPERATION WITH THE MANUFACTURER PRIOR TO ENERGIZING MOTOR(S)/EQUIPMENT.
- ALL DISCONNECT SWITCHES SHALL BE INSTALLED WITHIN 5FT AND WITHIN SIGHT OF THE MOTOR/LISTED EQUIPMENT
- MAXIMUM HEIGHT ABOVE FINISH FLOOR OF DISCONNECT SWITCH HANDLE SHALL NOT EXCEED 6'-3".
- PROVIDE A COPPER EQUIPMENT GROUND (EGC) FROM DISCONNECT SWITCH TO MOTOR/LISTED EQUIPMENT CONNECTION POINT/JUNCTION BOX PER MANUFACTURER SPECIFICATIONS.
- EQUIPMENT FLEXIBLE WHIPS SHALL NOT EXCEED 72" MAX LENGTH.

- PROVIDE MOUNTING/RACKING FOR CONTROLLERS/STARTERS AND DISCONNECT SWITCHES.
- PROVIDE TWO SETS OF FORM "C" AUX CONTACTS FOR STARTERS.
- PROVIDE FOUR SETS OF FORM "C" AUX CONTACTS FOR VFC WITHIN THE VFC ENCLOSURE.
- PROVIDE 24Vac CONTROL COIL FOR MANUAL STARTERS PER MANUFACTURER REQUIREMENTS.
- PROVIDE 120Vac CONTROL COIL FOR MAGNETIC STARTERS PER MANUFACTURER REQUIREMENTS.
- PROVIDE MANUFACTURER START-UP AND COMMISSIONING OF VFC PRIOR TO FINAL PUNCHLIST.
- PROVIDE WRITTEN FORM OF VFC FIELD PROGRAMMED PARAMETER SETTINGS.

- MAN/STR: MANUAL STARTER (WITH THERMAL OVERLOADS)
- MAG/STR: MAGNETIC STARTER (FULL VOLTAGE NON-REVERSING)
- VFC: VARIABLE FREQUENCY CONTROLLER
- UMC: UNIT MOUNTED CONTROLLER/STARTER (FACTORY FURNISHED AND INSTALLED)

- FB: FURNISHED BY
- IB: INSTALLED BY
- PB: PROVIDED BY
- GC: GENERAL CONTRACTOR
- EC: ELECTRICAL CONTRACTOR
- KC: KITCHEN CONTRACTOR
- MC: MECHANICAL CONTRACTOR
- PC: PLUMBING CONTRACTOR
- FPC: FIRE PROTECTION CONTRACTOR
- OWN: OWNER

ELECTRICAL SCHEDULES - MECHANICAL EQUIPMENT

EQUIPMENT TAG	DESCRIPTION	VOLTAGE	PHASE	FLA	MOCP	FULL LOAD	DESIGN LOAD	FEEDER SIZE	FEED FROM PANEL	CIRCUIT NUMBER	LOCAL SAFETY DISCONNECT SWITCH	CONNECTION TYPE	REMARKS
ACCU-1	CONDENSING UNIT	208 V	1	11.00 A	28 A	2,288 VA	2,288 VA	F30			PB: EC, 30A, NEMA-3R	Hard-Wired	
ACCU-2	CONDENSING UNIT	208 V	1	11.00 A	28 A	2,288 VA	2,288 VA	F30			PB: EC, 30A, NEMA-3R	Hard-Wired	
ACCU-3	CONDENSING UNIT	208 V	1	11.00 A	28 A	2,288 VA	2,288 VA	F30			PB: EC, 30A, NEMA-3R	Hard-Wired	
FPVAV-1-1	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-2	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-3	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-4	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-5	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-6	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-7	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-8	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-9	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-10	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-1-11	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-1	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-2	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-3	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-4	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-5	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-6	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-7	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-8	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-9	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	
FPVAV-2-10	VARIABLE AIR VOLUME	480 V	3	12.03 A	20 A	10,002 VA	10,002 VA	Existing			PB: EC, 30A, NEMA-1	Hard-Wired	

NOTES:

1. ALL MECHANICAL EQUIPMENT REPLACED WITH NEW EQUIPMENT SHALL BE FED FROM EXISTING PANEL AND CIRCUIT. EC TO VERIFY THE EXISTING CONDITION OF FEEDERS, JUNCTION BOXES, DISCONNECT SWITCHES AND THEIR LOADS AND AMPERAGE OF THE BREAKERS PRIOR TO ROUGH-IN.
2. EC TO ENSURE EXISTING AMPERAGE OF FEEDER, BREAKER AND DISCONNECT SWITCHES/JUNCTION BOXES ARE SUFFICIENT TO FEED NEW EQUIPMENT.

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP TYPE	MOUNTING	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LUMENS	VOLTAGE	WATTAGE	MOUNTING HEIGHT
S1	LED	EXISTING POLE	SINGLE POLE MOUNTED LED LIGHT FIXTURE WITH RECTANGULAR ARM FOR ROUND OR SQUARE POLE MOUNT. MANUFACTURED WITH DIE CAST ALUMINUM. COATED WITH POLYESTER FINISHES THAT MEETS THE CORROSION RESISTANCE TEST AND CRACKING AND LOSS OF ADHESION TEST REQUIREMENTS.	LITHONIA : DSX0 LED P4 40K 8CRI T3M OR EQUIVALENT.	10211 LUMENS, 4000K, 80CRI	277V	94W	SEE ARCH. DWGS
S2	LED	EXISTING POLE	DOUBLE POLE MOUNTED LED LIGHT FIXTURES WITH RECTANGULAR ARM FOR ROUND OR SQUARE POLE MOUNT. MANUFACTURED WITH DIE CAST ALUMINUM. COATED WITH POLYESTER FINISHES THAT MEETS THE CORROSION RESISTANCE TEST AND CRACKING AND LOSS OF ADHESION TEST REQUIREMENTS.	LITHONIA : DSX0 LED P4 40K 8CRI T3M OR EQUIVALENT.	20422 LUMENS, 4000K, 80CRI	277V	187W	SEE ARCH. DWGS
S3	LED	EXISTING POLE	TRIPLE POLE MOUNTED LED LIGHT FIXTURES WITH RECTANGULAR ARM FOR ROUND OR SQUARE POLE MOUNT. MANUFACTURED WITH DIE CAST ALUMINUM. COATED WITH POLYESTER FINISHES THAT MEETS THE CORROSION RESISTANCE TEST AND CRACKING AND LOSS OF ADHESION TEST REQUIREMENTS.	LITHONIA : DSX0 LED P4 40K 8CRI T3M OR EQUIVALENT.	30633 LUMENS, 4000K, 80CRI	277V	280W	SEE ARCH. DWGS
W1	LED	SURFACE	WALL LUMINAIRE PROVIDES TRADITIONAL ARCHITECTURAL STYLE WITH HIGH PERFORMANCE ENERGY EFFICIENT ILLUMINATION. IP66 RATED.	COOPER LIGHTING: LDWP-GL-3B-ED-4000K CCT-72 CRI -CD OR APPROVED EQUIVALENT.	3200 LUMEN 4000K, 80CRI	277V	27W	SEE ARCH. DWGS
W1E	LED	SURFACE	WALL LUMINAIRE PROVIDES TRADITIONAL ARCHITECTURAL STYLE WITH HIGH PERFORMANCE ENERGY EFFICIENT ILLUMINATION. IP66 RATED. WITH 90MIN EMERGENCY BATTERY BACKUP.	COOPER LIGHTING: LDWP-GL-3B-ED-4000K CCT-72 CRI -EMLED-CD OR APPROVED EQUIVALENT.	3200 LUMEN 4000K, 80CRI	277V	27W	SEE ARCH. DWGS
A	LED	SURFACE	LOW PROFILE CANOPY LIGHT WITH DIE CAST ALUMINUM HOUSING AND MINIMAL GLARE WITH 90MIN EMERGENCY BATTERY BACKUP.	ATLAS LIGHTING: CPM 25LED 3K IC EB OR APPROVED EQUIVALENT.	3400 LUMEN 4000K, 80CRI	277V	25W	SEE ARCH. DWGS

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ELECTRICAL SCHEDULES

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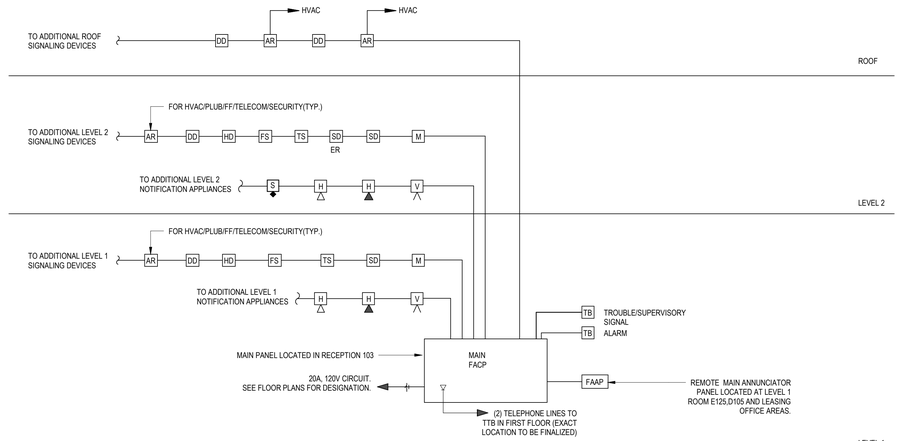

FIRE DESIGN NOTE:

1. FIRE ALARM RISERS SHALL BE CONTAINED IN 2 HOUR RATED ENCLOSURES.
2. FA CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE ALARM SHOP DRAWINGS AS REQUIRED FOR SUBMITTAL TO THE BUREAU OF FIRE PREVENTION.
3. FA CONTRACTOR SHALL PROVIDE CONNECTION TO ELEVATOR CONTROLLERS TO INITIATE AUTOMATIC ELEVATOR RECALL UPON ALARM. COORDINATE ALL REQUIREMENTS WITH ELEVATOR MANUFACTURER.
4. A 100% FUNCTIONAL TEST OF THE TOTAL BUILDING FIRE ALARM INITIATING DEVICES SHALL BE CONDUCTED TO ASSURE THE FIRE ALARM SYSTEM IS IN COMPLETE AND OPERATIONAL CONDITION.
5. FIRE ALARM TAMPER AND FLOW SWITCHES SHALL BE PROVIDED IN ACCORDANCE WITH NEC AND NFPA. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO COORDINATE WITH THE FIRE PROTECTION CONTRACTOR AND PROVIDE THE ADEQUATE NUMBER OF FLOW AND TAMPER SWITCHES.
6. FA CONTRACTOR IS RESPONSIBLE FOR PROVIDING LOCAL POWER SUPPLIES THROUGHOUT THE BUILDING TO HANDLE THE VOICE ANNUNCIATION IN ACCORDANCE WITH NEC AND NFPA.
7. BEFORE THE INSTALLATION OF FIRE ALARM DEVICES, THE INSTALLATION SHOULD BE FULLY COORDINATED WITH THE SPRINKLER CONTRACTOR FOR LOCATION OF WATER FLOW AND TAMPER SWITCHES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 1-YEAR UL LISTED MONITORING SERVICE. COORDINATE FINAL REQUIREMENTS WITH OWNER.
9. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR POWER AND ACTIVATION OF EXTERIOR SPRINKLER BELL WITH FIRE PROTECTION CONTRACTOR PRIOR TO ROUGH-IN.

FIRE ALARM GENERAL NOTE:

1. FA CONTRACTOR SHALL SEAL ALL PENETRATIONS THRU FIRE RATED PARTITIONS WITH 2 HOUR FIRE RATED MATERIAL INSTALLED PER MANUFACTURERS GUIDELINES AND U.L. REQUIREMENTS. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATED.
2. PROVIDE CONDUIT STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE HORIZONTAL CABLING ON J-HOOKS.
3. WIRING SHALL BE FIRE RATED FOR 2 HOURS AND SHALL MEET NFPA REQUIREMENTS FOR THIS TYPE OF INSTALLATION.
4. FIRE ALARM CALCULATIONS INCLUDING BATTERY, LOAD, VOLTAGE DROP, AND WIRE SIZING SHALL BE PERFORMED AND SUBMITTED BY THE FA CONTRACTOR AS PART OF THE FIRE ALARM SHOP DRAWING SUBMITTAL PROCESS AT WHICH TIME THE FA CONTRACTOR SHALL SUBMIT ALL REQUIRED INFORMATION TO THE APPROPRIATE CODE OFFICIALS.
5. PROVIDE ADEQUATE CAPACITY TO THE FIRE ALARM CONTROL PANEL AS REQUIRED TO CONNECT ALL THE DEVICES SHOWN ON THE PLANS AND TO INTEGRATE ALL DEICES FOR A COMPLETE FULL COVERAGE SYSTEM.
6. FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. COORDINATE EXACT LOCATION AND INSTALLATION OF DEVICES WITH FIRE ALARM SHOP DRAWINGS.
7. PROVIDE ALL FIRE ALARM ACCESSORIES AND HARDWARE AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE ALL WORK WITH FIRE ALARM MANUFACTURER.
8. FIRE ALARM SYSTEM INSTALLER SHALL VERIFY THAT SYSTEM COMPLIES WITH LOCAL FIRE MARSHALL REGULATIONS.
9. COORDINATE LOCATION OF ALL FIRE ALARM DEVICES WITH ARCHITECTURAL PLANS AND FINISHES.
10. ALL FIRE ALARM DEVICE ROUGH-INS SHALL BE INSTALLED IN ACCORDANCE WITH CITY APPROVED SHOP DRAWINGS.
11. LOCATE ALL NOTIFICATION DEVICES PER ADA REQUIREMENTS.
12. ALL VISUAL STROBE NOTIFICATION DEVICES IN THE SAME FIELD OF VIEW SHALL BE SYNCHRONIZED.
13. IT IS THE RESPONSIBILITY OF THE FA CONTRACTOR TO SECURE ANY REQUIRED PERMITS FOR FIRE ALARM WORK PRIOR TO THE START OF CONSTRUCTION.
14. FA CONTRACTOR SHALL ACCOUNT FOR 10% ADDITIONAL DEVICES TO ACCOUNT FOR ANY UNKNOWN AND/OR UNFORESEEN CONDITIONS.
15. FA CONTRACTOR IS RESPONSIBLE FOR HAVING THE FIRE ALARM SYSTEM TESTED AND IN FULL COMPLIANCE WITH NEC AND NFPA AND APPROVED BY LOCAL AUTHORITIES.
16. FA CONTRACTOR SHALL INSTALL 2 PHONE LINES FOR OUTSIDE MONITORING.
17. THE ENTIRE FIRE ALARM SYSTEM SHALL BE SUPERVISED AND MONITORED BY AN UNDERWRITERS LABORATORY (UL) LISTED CENTRAL STATION MONITORING SERVICE THAT NOTIFIES THE FIRE DEPARTMENT WHEN A WATER FLOW IS INDICATED IN THE SPRINKLER SYSTEM OR WHEN THE HEAT OR SMOKE DETECTORS ARE ACTIVATED.
18. FA CONTRACTOR RESPONSIBLE FOR INSTALLING WATER FLOW DEVICES AND FLOW SWITCHES THROUGHOUT BUILDING. WORK TO BE COORDINATED WITH FIRE PROTECTION AND SPRINKLER CONTRACTOR. TIE FLOW SWITCHES INTO FIRE ALARM CONTROL PANEL.
19. NEW FIRE ALARM CONTROL PANEL SHALL BE RECESSED INTO THE WALL AND ALL CONDUITS SHALL BE CONCEALED.
20. ALL NEW VISUAL AND AUDIO/VISUAL DEVICES SHALL BE INSTALLED AT 80" AFF OR 6" BELOW THE CEILING, WHICHEVER IS LOWER FOR ADA COMPLIANT HEIGHT.

1 FIRE ALARM RISER DIAGRAM
NTS

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GROUNDING RISER

GENERAL NOTES

ARCHITECT/GENERAL CONTRACTOR/CONSTRUCTION MANAGER NOTES:

1.) THE ARCHITECT AND/OR GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE TO ENSURE THAT ALL DIVISIONS AND TRADES ARE AWARE OF WORK REQUIRED TO SUPPORT THE INSTALLATION OF RELATED SYSTEMS AND SUB–SYSTEMS. CONTRACTORS ARE RESPONSIBLE TO REVIEW ALL RELATED SPECIFICATIONS AND DRAWINGS.

2.) PROVIDE AND INSTALL WALL MOUNTED ¾" AC GRADE FIRE RESISTANT PLYWOOD IN ALL COMMUNICATIONS ROOMS AND CLOSETS ON ALL WALLS. APPLY INTUMESCENT COATING TO BOTH SIDES OF PLYWOOD, ENSURE FIRE RESISTANT STAMP IS VISIBLE FOR INSPECTION ON EACH SHEET OF PLYWOOD. INTUMESCENT COATING SHALL BE IBC/NFPA CODE COMPLIANT, IN ACCORDANCE WITH UL 263 AND ASTM E119, TO MEET 1 OR 2 HOUR FIRE PROTECTION REQUIREMENT. REFERENCE COMMUNICATIONS ROOM DETAILS." FIRE RETARDANT PLYWOOD IN ALL COMMUNICATIONS ROOMS AND CLOSETS ON ALL WALLS. APPLY FIRE RETARDANT FLAT WHITE PAINT TO BOTH SIDES OF THE PLYWOOD AND LEAVING THE FIRE RETARDANT STAMP UNDISTURBED.

3.) CABLE TRAY, SLEEVES, BOXES, POWER, AND CONDUITS SHOWN ON COMMUNICATIONS DRAWINGS ARE FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS.

ELECTRICAL CONTRACTOR NOTES:

1.) THE ELECTRICAL CONTRACTOR SHALL FURNISH AND PROVIDE THE FOLLOWING FOR COMMUNICATIONS CABLING: CABLE TRAY, CONDUIT, SLEEVES, WALL, AND FLOOR BOXES REFER TO THE ELECTRICAL AND COMMUNICATIONS DETAIL DRAWINGS.

   A.) STANDARD DATA AND VOICE SERVICE BOXES FOR COMMUNICATIONS SHALL BE A FLUSH 4^11/16" SQ DEEP BOX (2⅛" MIN) WITH SINGLE GANG REDUCTION PLATE AND A 1"ø CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE.

   B.) WALL MOUNTED TELEPHONE OUTLET SHALL BE A FLUSH 4^11/16" SQ DEEP BOX (2⅛" MIN) WITH SINGLE GANG REDUCTION PLATE AND A 1"ø CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. MOUNT BOX 48" AFF OR AS REQUIRED BY ADA.

   C.) FLOOR BOXES FOR DATA, VOICE, AND POWER SHALL HAVE TWO(2) 1"ø CONDUITS PROVIDED FOR COMMUNICATIONS IN ADDITION TO POWER AND AV REQUIREMENTS.

   D.) CEILING BOXES FOR COMMUNICATIONS OUTLETS SHALL BE A 4^11/16" SQ DEEP BOX (2⅛" MIN) WITH A SINGLE GANG REDUCTION PLATE, AND A 1"ø CONDUIT FROM EACH BOX TO ACCESSIBLE CEILING SPACE.

   E.) BOXES FOR WIRELESS DEVICES MOUNTED ABOVE LAY–IN CEILINGS SHALL BE A 4^11/16"SQ DEEP BOX (2⅛" MIN) WITH SINGLE GANG REDUCTION PLATE (TYP).

   F.) FIXED CHAIR DATA AND POWER PATHWAYS UP TO SEATING SHALL BE AS SPECIFIED ON THE ELECTRICAL AND COMMUNICATIONS DRAWINGS. CONTRACTOR SHALL COORDINATE WITH G.C. AND SYSTEM FURNITURE MANUFACTURER FOR PLACEMENT OF DATA/VOICE DROPS. INSTALL POWER CABLING IN SEPARATE RACEWAY FROM COMMUNICATIONS CABLING.

2.) CONTRACTOR SHALL PROVIDE RACEWAY INSTALLATION IN A MANNER THAT WILL PROTECT ALL DATA/VOICE/FIBER CABLING FROM MECHANICAL DAMAGE. INSTALL CONDUITS FOR COMMUNICATIONS WITH LONG RADIUS BENDS, BUSHED ENDS THAT ARE GROUNDED AND BONDED AS PER CODES AND STANDARDS.

3.) CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND COMMUNICATIONS TRADE ON CONDUIT AND CABLE TRAY ROUTING FOR COMMUNICATIONS CABLES PRIOR TO INSTALLATION OF PATHWAYS TO ENSURE CABLE PATHWAYS DO NOT CAUSE CABLE LENGTHS TO EXCEED MAXIMUM DISTANCES. IN GENERAL, CONDUITS FROM CABLE TRAY TO TELECOM OUTLETS SHOULD BE THE MOST DIRECT ROUTE POSSIBLE FOLLOWING BUILDING LINES.

4.) CONTRACTOR SHALL INSTALL A TIED OFF NYLON PULL STRING IN ALL CONDUITS.

5.) INSTALL THE CABLE TRAY WITH A MIN. 12" CLEARANCE ABOVE AND ON ONE SIDE OF TRAY. INSTALL SOLID BOTTOM TRAY WHERE IS PLACED ABOVE LIGHT FIXTURES.

6.) CONDUITS SHALL NOT EXCEED 180° OF BENDS BETWEEN PULL POINTS. INSTALL PERMANENTLY ACCESSIBLE PULL BOXES AS REQUIRED TO MEET THIS REQUIREMENT. DO NOT CHANGE DIRECTION OR BEND WITHIN A JUNCTION BOX OR PULL BOX.

7.) GROUNDING AND BONDING:

   A.) BUILDING GROUNDING SYSTEM BY ELECTRICAL CONTRACTOR.

   B.) ALL PATHWAYS INSTALLED FOR COMMUNICATIONS SHALL BE BONDED TO COMMUNICATION GROUND BUS BARS.

   C.) REFER TO ELECTRICAL SERIES DRAWINGS AND SPECIFICATIONS FOR OTHER COMMUNICATION GROUNDING REQUIREMENTS AND INFO ON INSTALLATION OF MATERIALS AND HARDWARE.

   D.) DISSIMILAR METALS BONDED TO EACH OTHER AND APT TO CORRODE IN NORMAL ENVIRONMENTAL CONDITIONS SHALL BE SEPARATED BY A CONDUCTIVE MATERIAL SPACER TO PREVENT CORROSION. REFER TO SPECIFICATIONS FOR OTHER GROUNDING REQUIREMENTS.

   E.) BUS BARS SHALL BE PRE–DRILLED WITH STANDARD NEMA BOLT HOLE SIZING & SPACING FOR CONNECTIONS OF THE BONDING CONDUCTORS TO THE BUSBAR.

8.) IDENTIFICATION:

   A.) SPRAY ALL BOXES AND CONDUIT FOR COMMUNICATIONS WITH A DISTINCTIVE COLOR FOR EASY IDENTIFICATION. COLOR SHALL BE DIFFERENT FROM OTHER TRADES.

COMMUNICATION NOTES

1.) THE TELECOMMUNICATIONS CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR RELATED SECTIONS, WHICH MAKE UP THE CONTRACT DOCUMENTS AND SHALL COORDINATE ALL COMMUNICATIONS WORK ON THE COMMUNICATIONS PLANS WITH ANY COMMUNICATIONS SECTIONS OF RELATED DRAWINGS AND SPECIFICATIONS.

   A.) STRUCTURED CABLING REQUIREMENTS FOR THE PROJECT ARE THE RESPONSIBILITY OF THE COMMUNICATIONS CABLING CONTRACTOR UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES THAT APPLY. REFER TO MEP, AUDIOVISUAL, AND SECURITY SHEETS FOR ADDITIONAL CABLING REQUIREMENTS.

2.) TELECOMMUNICATIONS CONTRACTOR, CABLING CONTRACTOR, OR COMMUNICATIONS CONTRACTOR SHALL HERE AFTER BE REFERRED TO AS CONTRACTOR UNLESS OTHERWISE NOTED.

3.) CONTRACTOR SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR NECESSARY TO COMPLETE THIS INFRASTRUCTURE INSTALLATION.

4.) ALL COMMUNICATIONS CABLING PATHWAYS OUTSIDE OF COMMUNICATIONS ROOMS BY ELECTRICAL CONTRACTOR.

5.) CONTRACTOR SHALL PROVIDE 'J' HOOKS ON THREADED ROD RATED FOR SUPPORTING DATA CABLING THAT IS NOT IN CONDUIT OR CABLE TRAY. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ON CABLE PATHS PRIOR TO INSTALLATION OF CABLING.

COMMUNICATIONS CABLING:

1.) ALL UTP HORIZONTAL CABLING MUST BE WITHIN A PHYSICAL LENGTH OF 295'.

2.) PROVIDE ALL NECESSARY MEANS TO PROTECT ALL COPPER/FIBER CABLING AND JACK/PORTS FROM MECHANICAL DAMAGE AND DUST DURING CONSTRUCTION.

3.) FIBER BACKBONE/RISER CABLE SHALL BE INSTALLED IN CONDUIT OR ON LADDER RUNWAY UNLESS IT IS ARMORED.

4.) COORDINATE WITH GENERAL CONTRACTOR FOR SYSTEM FURNITURE WORKSTATIONS TO PROVIDE REQUIRED BRACKETS TO INSTALL AND TERMINATE COMMUNICATIONS CABLING, JACKS AND FACE PLATES.

5.) CABLING CONTRACTOR RESPONSIBLE FOR FINAL CONNECTION, TERMINATION AND TESTING TO THE DATA OUTLETS IN LAB BENCHES AND MODULAR FURNITURE, INCLUSIVE OF PATCH CORD ROUTING.

6.) CABLING CONTRACTOR SHALL CONFIRM ALL CABLE LENGTHS PRIOR TO BID AND ROUGH–IN

COMMUNICATIONS ROOMS:

1.) PROVIDE AND INSTALL WALL MOUNTED 3/4" AC GRADE FIRE RESISTANT PLYWOOD IN ALL COMMUNICATIONS ROOMS AND CLOSETS ON ALL WALLS. APPLY INTUMESCENT COATING TO BOTH SIDES OF PLYWOOD, ENSURE FIRE RESISTANT STAMP IS VISIBLE FOR INSPECTION ON EACH SHEET OF PLYWOOD. INTUMESCENT COATING SHALL BE IBC/NFPA CODE COMPLIANT, IN ACCORDANCE WITH UL 263 AND ASTM E119, TO MEET 1 OR 2 HOUR FIRE PROTECTION REQUIREMENT. REFERENCE COMMUNICATIONS ROOM DETAILS.

2.) CONTRACTOR TO PROVIDE EQUIPMENT RACKS, HORIZONTAL CABLE RUNWAYS AND MANAGERS, VERTICAL CABLE MANAGERS, TERMINATION HARDWARE, POWER STRIPS FOR RACKS, TERMINATION, LABELING, AND TESTING AS SPECIFIED IN CONTRACT DOCUMENTS.

3.) GRAPHIC REPRESENTATION OF PATCH PANELS, BLOCKS, VERTICAL, AND HORIZONTAL CORD MANAGEMENT DO NOT REPRESENT EXACT QUANTITIES. CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES FOR ALL CABLING, PLUS 20% GROWTH. (REFER ALSO TO SPECIFICATIONS).

GROUNDING AND BONDING:

1.) CONTRACTOR SHALL BOND ALL METALLIC COMPONENTS TO BUSBAR IN THE FOLLOWING MANNER:

   A.) CONTRACTOR SHALL INSTALL A CONTINUOUS BONDING CONDUCTOR FROM BUSBAR TO EACH ROW OF EQUIPMENT RACKS. EXTEND CONDUCTOR ALONG ENTIRE ROW. BOND EACH RACK TO BONDING CONDUCTOR WITH AN INSULATED COPPER CONDUCTOR.

   B.) BOND/STRAP ALL LADDER RACKS TO ADJACENT SECTIONS WITH A STRANDED BONDING COPPER CONDUCTOR. INSTALL A BONDING CONDUCTOR FROM BUSBAR TO LADDER RACKS.

   C.) BONDING SHALL BE IN AN APPROVED MANNER.

   D.) DISSIMILAR METALS BONDED TO EACH OTHER AND APT TO CORRODE IN NORMAL ENVIRONMENTAL CONDITIONS SHALL BE SEPARATED BY A CONDUCTIVE MATERIAL SPACER TO PREVENT CORROSION. REFER TO SPECIFICATIONS FOR OTHER GROUNDING REQUIREMENTS.

FIRESTOPPING:

1.) COORDINATE ANY AND ALL FIRESTOPPING WITH THE GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK INVOLVING FIRESTOPPING.

2.) ALL FIRESTOPPING SHALL CONFORM TO THE SPECIFICATIONS AND RECOMMENDATIONS OF THERMAL AND MOISTURE PROTECTION ON FIRESTOPPING OF THROUGH PENETRATION SYSTEMS IN THE CONSTRUCTION SPECIFICATIONS DOCUMENT.

3.) SOLUTIONS AND SHOP DRAWINGS/SUBMITTALS FOR FIRE STOP MATERIALS AND SYSTEMS SHALL BE PRESENTED TO THE GENERAL CONTRACTOR FOR WRITTEN APPROVAL OF MATERIAL & SYSTEMS PRIOR TO PURCHASE AND INSTALLATION. ALL MATERIALS AND SYSTEMS SHALL BE COMPLETE, UL LISTED FOR INTENDED INSTALLATION, AND PROVIDE APPROPRIATE RATING AT THE COMPLETION OF JOB.

4.) SEAL ALL PENETRATIONS THROUGH FIRE–RATED BARRIERS (CONDUITS, SLEEVES, SLOTS, CHASES) CREATED BY OR MADE FOR OR ON THE BEHALF OF THE TELECOMMUNICATIONS CONTRACTOR TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS, OR WATER THROUGH PENETRATIONS.

5.) CONTRACTOR SHALL PROVIDE TRAINING MANUALS WHICH INCLUDE INSTRUCTIONS ON METHODS OF ADDING OR REMOVING CABLING TO/FROM FIRESTOPPED SLEEVES AND CHASES.

6.) LAMINATE AND PERMANENTLY AFFIX TO EACH COMMUNICATIONS ROOM WALL ADJACENT TO CHASES THE FOLLOWING INFORMATION:

   A.) NAME OF MANUFACTURER OF FIRE STOP SYSTEM.

   B.) PART & MODEL NUMBERS OF SYSTEM AND ALL COMPONENTS.

   C.) PHONE NUMBERS OF MANUFACTURER'S CORPORATE HEADQUARTERS IN U.S. AND LOCAL DISTRIBUTOR'S NAME AND NUMBER.

LEGEND

Symbol	Description
#D #V	COMBINATION WALL DATA AND VOICE INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
#D	WALL DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
#D	DATA OUTLET INSTALLED IN HEADWALL SYSTEM. NUMBER(#) DENOTES QUANTITY OF CABLES. VERIFY MOUNTING HEIGHT AND FINISH PRIOR TO ROUGH–IN.
#V	WALL VOICE INFORMATION OUTLET FOR ANALOG FAX. NUMBER(#) DENOTES QUANTITY OF CABLES.
W	WALL PHONE (VOICE) OUTLET AT 48" AFF.
#D	FLOOR–BOX DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
#D	FLOOR POKE–THRU DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
#D	FLOOR–BOX DATA INFORMATION OUTLET FOR A/V EQUIPMENT. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
#D	FLOOR POKE–THRU DATA INFORMATION OUTLET FOR A/V EQUIPMENT AND CONNECTIVITY. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
#D	CEILING DATA INFORMATION OUTLET FOR A/V PROJECTOR. NUMBER(#) DENOTES AMOUNT OF CABLES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
#D	WALL DATA INFORMATION OUTLET FOR A/V EQUIPMENT. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
#V #D	COMBINATION FLOOR DATA, DATA FOR A/V EQUIPMENT, AND VOICE INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
1D	DATA OUTLET FOR WIRELESS ACCESS POINT (WAP) CONNECTIVITY ABOVE LAY–IN CEILING. TERMINATE WITH MODULAR CONNECTORS AND LABEL.
1D,S	WALL DATA OUTLET FOR IP CAMERA. REFER TO SECURITY DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
1D,S	CEILING DATA OUTLET FOR IP CAMERA. REFER TO SECURITY DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
TV	CATV F–CONNECTOR COAX OUTLET

ABBREVIATIONS

BAS:	BUILDING AUTOMATION SYSTEM
BET:	BUILDING ENTRANCE TERMINAL
DIV 01:	GENERAL REQUIREMENTS
DIV 07:	THERMAL & MOISTURE PROTECTION
DIV 23:	HEATING, VENTILATING, AND AIR–CONDITIONING
DIV 25:	INTEGRATED AUTOMATION
DIV 26:	ELECTRICAL
TR:	TELECOMMUNICATIONS ROOM
ER:	EQUIPMENT ROOM
TBB:	TELECOM BONDING BACKBONE
TBC:	TELECOM BONDING CONDUCTOR
SBB:	SECONDARY BONDING BUSBAR
TMBC:	TELECOM MAIN BONDING CONDUCTOR
PBB:	PRIMARY BONDING BUSBAR
TMH:	TELECOMMUNICATIONS MANHOLE
UTP:	UNSHIELDED TWISTED PAIR
WAP:	WIRELESS ACCESS POINT
SIM:	SIMILAR

DRAWING LIST

T001	LEGEND AND NOTES – COMMUNICATIONS
T002	RESPONSIBILITY MATRIX – COMMUNICATIONS
T201	OVERALL FLOOR PLAN – LEVEL 1 – COMMUNICATIONS
T401	GENERAL DETAILS – COMMUNICATIONS

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REVISIONS:

No. Date

JOB NO. 2239
DATE: 06/11/2025

LEGEND AND NOTES - COMMUNICATIONS

T001

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UPDATED: JUNE 18, 2021

DALLAS ISD ORGANIZATION	DALLAS ISD DEPT / DIV / GROUP	BUILDING SYSTEMS	DESCRIPTION: EQUIPMENT & DEVICES	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	POWER:
				DESIGNED & DOCUMENTED FOR CONSTRUCTION BY	DESGNED & DOCUMENTED FOR CONSTRUCTION BY	PROVIDED AND INSTALLED BY	PROVIDED AND INSTALLED BY	PROVIDED AND INSTALLED BY
M&0	GROUNDS	MARQUEE SIGN	MARQUEE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&0	EMS/CONTROLS	BAS	JACE: EQUIPMENT, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ELEVATORS	ELEVATORS	WIRELESS EMERGENCY CALL-OUT	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ELEVATORS	ELEVATORS	SUMP HIGH FLOAT LOCAL ALARM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ALARMS	FIRE (SPRNKLER) SUPPRESSION	FLOW DETECTION	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ALARMS	FIRE ALARM	FIRE ALARM WIRELESS RADIO (AES) CALL-OUT, PANELS, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS-GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	E-RATE	TECHNOLOGY INFRASTRUCTURE	A/E IT - CONSULTANT	A/E	IT - INFRASTRUCTURE PM	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FIBER OPTIC	FIBER OPTIC CABLE FROM STREET TO MDF UPN	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC CABLING - DARK FIBER	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC BACKBONE CABLING: MDF TO IDF'S	IT - CABLING CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL		CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	INFRASTRUCTURE	FIBER OPTIC PATCH PANELS, JUMPERS, ETAL	IT - CABLING CONTRACTOR	A/E	IT - CABLING CONTRACTOR	N/A	N/A
IT/POLICE	CSS EM	ACCESS CONTROL	MDF & IDF ROOM SECURITY	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	MDF/IDF: HIGH HEAT ALARM SIGNAL	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/M&O	INFRASTRUCTURE ELECTRCAL	NETWORK	MDF/IDF: LIGHTNING PROTECTION SYSTEM AND EVENT ALERT	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	PORTABLES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	UPS	A/E	A/E	IT - NETWORK EQUIPMENT CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	WIRELESS ACCESS POINTS (WAPS)	A/E IT - CONSULTANT	A/E	IT - NETWORK EQUIPMENT CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	CABLING	A/E IT - CONSULTANT	A/E	IT - CABLING CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	PATCH PANELS	A/E IT - CONSULTANT	N/A	IT - CABLING CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	RACKS (FLOOR MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	RACKS (WALL MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	PATCH CABLES	IT - CONSULTANT	N/A	IT - TECHNOLOGY CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	BIOMETRIC CLOCKS (BIOCLOCKS)	A/E	A/E	CABLING BY IT - CABLING CONTRACTOR. DEVICE PROVIDED BY CS - GC PURCHASED FROM IT - BIOMETRIC CLOCK VENDOR	CS - GENERAL CONTRACTOR	POE BY IT—CABLING CONTRACTOR. DOES NOT REQUIRE LINE VOLTAGE POWER.
IT	INFRASTRUCTURE	NETWORK	POE SWITCH NETWORK	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	N/A
M&O	SOUND STAGE	VOICE COMMUNICATIONS	PA IP INTEGRATED ELECTRONIC COMMUNICATIONS NETWORK	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	NETWORK	MASTER CLOCK	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	VOIP	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	POE SWITCHES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR

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UPDATED: JUNE 18, 2021

DALLAS ISD ORGANIZATION	DALLAS ISD DEPT / DIV / GROUP	BUILDING SYSTEMS	DESCRIPTION: EQUIPMENT & DEVICES	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	POWER:
M&0	SOUND STAGE	VOICE COMMUNICATIONS	PATCH CABLES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A
M&0	SOUND STAGE	VOICE COMMUNICATIONS	PATCH PANELS SOUND SYSTEM	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A
IT	AUDIO-VISUAL	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	INTERACTIVE DISPLAYS	IT A/V VENDOR	A/E	IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/AES	AUDIO-VSUAL PERFORMING ARTS	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	AUDITORIUMS: SOUND SYSTEM	A/E THEATRE CONSULTANT	A/E	CS-GENERAL CONTRACTOR PURCHASED FROM IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/AES	AUDIO-VSUAL PERFORMING ARTS	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	AUDITORIUM: VIDEO PROJECTOR AND SCREEN	A/E THEATRE CONSULTANT	A/E	CS-GENERAL CONTRACTOR PURCHASED FROM IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	MULTI - PURPOSE ROOMS: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	AUDIO-VISUAL	CAFETORIUMS: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	AUDIO-VISUAL	CAFETORIUM: VIDEO PROJECTOR AND SCREEN	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	GYMNASIUM: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FOOD AND CHILD NUTRITION SERVICES	CAFETERA POINT OF SALE POS	FCNS CONTRACTOR	A/E	FCNS CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FOOD AND CHILD NUTRITION SERVICES	CAFETERIA DIGITAL DISPLAYS	A/E IT - CONSULTANT & A/E	A/E	DISPLAY: CS - GENERAL CONTRACTOR CABLING: IT-TECHNOLOGY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	NETWORK	PATCH PANELS SECURITY	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	N/A
IT/POLICE	CSS/EM	NETWORK	POE SWITCHES SECURITY DEVICES	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
M&0	ALARMS	INTRUSION DETEC1ON SYSTEM	INTRUSION WIRELESS CALL - OUT, PANELS, KEYPADS, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	STORM SHELTER OPERATIONS	CONTROL ROOM: PANELS, MONITORING AND OPERATIONAL CONTROLS, DEVICES, AND SIGNAGE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE M&F	CSS/EM ELECTRICAL	UPS (NON-NETWORK)	STORM SHELTER POWER AND MONITORING: GENERATOR OR BATTERY	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE	CSS/EM	SECURE VESTIBULE	SEE "ACCESS CONTROL" DIV 28	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE	CSS/EM	ACCESS CONTROL	CARD ACCESS/CCTV HEADEND LICENSING	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	CONTROL PANELS	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	ACCESS CONTROL	CARD READERS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	DOOR CONTRACTS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	ELECTRIFIED DOOR HARDWARE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	ELECTRIFIED DOOR HARDWARE POWER SUPPLIES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	ACCESS CONTROL	IP INTERCOMS: MASTERS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	CAMERAS: EXTERIOR	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	CAMERAS: INTERIOR	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/SPED	CSS	SAFETY & SECURITY	SPED MONITORING SYSTEM CAMERAS AND RECORDING	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR

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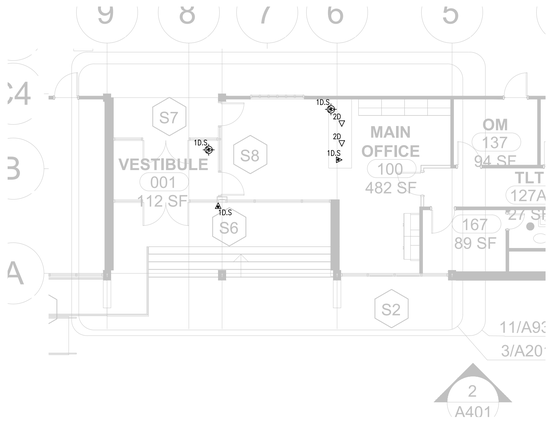

1 OVERALL FLOOR PLAN - LEVEL 1 - SECURE VESTIBULE - COMMUNICATIONS
1/8" = 1'-0"

GENERAL NOTES:

1.) COORDINATE THE FINAL LOCATION OF THE BAS OUTLETS IN MECHANICAL AND ELECTRICAL SPACES WITH DIVISION 23/26 CONTRACTORS, PRIOR TO ROUGH–IN.

2.) VERIFY THE FINAL TERMINATIONS AND LOCATIONS OF OUTLETS INSTALLED IN MODULAR FURNITURE OR ARCHITECTURAL MILLWORK WITH ARCHITECTURAL DRAWINGS, PRIOR TO ROUGH–IN AND INSTALLATION.

3.) FRAME AND FINISH OPENINGS FOR ALL CABLING AND PROVIDE CONDUIT PENETRATIONS THROUGH ALL WALLS AND RATED PARTITIONS. FIRE STOP AFTER CABLE PLACEMENT AT ALL RATED WALLS.

4.) DO NOT ROUTE HVAC DUCTWORK OR PIPING OVER OR THRU THE TELECOM ROOMS.

5.) HOME RUN CONDUIT OVERHEAD TIGHT TO STRUCTURE AT EXPOSED CEILING FROM EACH OUTLET DIRECTLY TO TELECOM ROOM OR NEAREST BASKET TRAY. NO EXPOSED CABLING, J–HOOK PATHWAYS ONLY USED ABOVE ACCESSIBLE CEILING.

6.) FOR ALL RENOVATION SCOPE, THE CONTRACTOR TO PERFORM ALL WORK IN EVENING HOURS, WEEKENDS AND / OR HOLIDAYS. NO INDOOR WORK ALLOWED DURING SCHOOL HOURS.

7.) FOR ALL RENOVATION SCOPE, THE OUTDOOR WORK COULD BE ALLOWED DURING SCHOOL HOURS IF OK BY DISD SAFETY AND SCHOOL MANAGEMENT.

8.) CONTRACTOR MUST TEST EXISTING ACCESS CONTROL, SECURITY, PUBLIC ADDRESS & FIRE ALARM SYSTEMS PRIOR TO START OF ANY WORK. IF ANY DEFICIENCY FOUND, BRING IT TO AECOM PM ATTENTION IN WRITING. IF CONTRACTOR CHOOSE TO START THE WORK WITHOUT TESTING THESE EXISTING SYSTEMS, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THESE SYSTEMS AT NO COST TO THE OWNER.

9.) THE EXISTING SYSTEMS (PA, FA, ACCESS CONTROL, SECURITY & HVAC CONTROL) MUST STAY OPERATIONAL THROUGHOUT THE CONSTRUCTION PHASE UNTIL THE NEW SYSTEMS ARE ACTIVATED.

10.) AFTER SWITCHING OVER TO THE NEW SYSTEM (PA, FA, ACCESS & SECURITY), THE CONTRACTOR TO REMOVE THE OLD SYSTEM DEVICES IN ITS ENTIRETY INCLUDING ALL RELATED COMPONENTS. CONTRACTOR TO PATCH / PAINT ALL DAMAGED AREA, AFTER THE REMOVAL OF THE EXISTING DEVICES INCLUDING CONDUITS.

11.) CONFIRM FINAL LOCATION OF ALL ELEMENTS MOUNTED IN THE OFOI FURNITURE PRIOR TO ROUGH–IN.

12.) REMOVAL/RE–INSTALLATION OF THE EXISTING WIRELESS ACCESS POINTS IN THE EXISTING CEILINGS MUST BE COORDINATED WITH DCCD IT AT LEAST 2–WEEKS PRIOR TO THE REMOVAL OF THE CEILING ELEMENTS.

13.) FIBER SERVICE FEEDS TO THE BUILDING MUST REMAIN ACTIVE AND SHOULD BE AFFECTED BY THE MARQUEE FIBER FEEDS. IF RELOCATION NEEDED, NOTIFY DISD IT IMMEDIATELY.

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REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

OVERALL FLOOR PLAN - LEVEL 1 - COMMUNICATIONS

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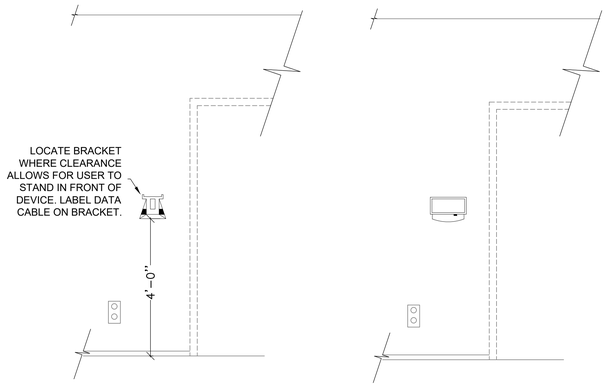


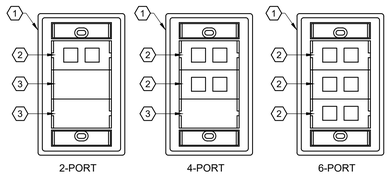
1 **BIO CLOCK MOUNTING DETAIL**
SCALE: NOT TO SCALE

GENERAL NOTES:

1. ROTATE FACE PLATE 90° CLOCKWISE FOR HORIZONTAL CONFIGURATION.
2. PLASTIC FACEPLATE SHALL BE USED IN ALL SURFACE MOUNT, OVERHEAD, AND LAB TABLE RACEWAY OUTLETS AND STAINLESS FOR ABOVE CEILING CONDITIONS. COORDINATE FACEPLATE COLOR W/ARCHITECT.
3. ALL COMMUNICATIONS OUTLETS, TERMINATIONS BLOCKS AND PASSIVE CONNECTION DEVICES SHALL BE CONFIGURED TO TIA/EIA T568B WIRING STANDARDS.
4. CONFIRM CABLING TERMINATIONS IN FURNITURE MILLWORK OR MODULAR FURNITURE WITH FURNITURE CONTRACTOR, PRIOR TO INSTALLATION.

KEYED NOTES:

1. SINGLE GANG SERIES II FACEPLATE.
2. CLARITY CATEGORY 6 2-PORT MODULE.
3. BLANK MODULE.



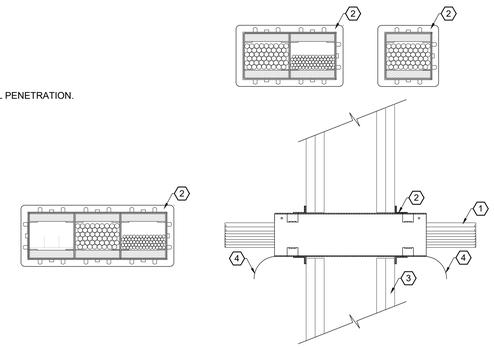
2 **T568B CONNECTOR WIRING DETAIL**
SCALE: NOT TO SCALE

GENERAL NOTES:

1. REFER TO SPECIFICATIONS SECTION 270000 (FIRESTOPPING) FOR ADDITIONAL INFORMATION.

KEYED NOTES:

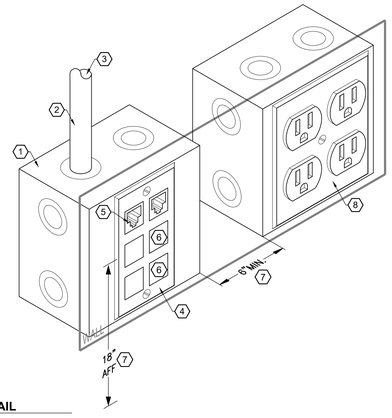
1. CABLES.
2. MANUFACTURED WALL PENETRATION.
3. INTERIOR WALL.
4. CABLE BEND RADIUS.



3 **MECHANICAL FIRE STOP DETAIL - WALL PENETRATION**
SCALE: NOT TO SCALE

KEYED NOTES:

1. RECESSED DOUBLE GANG BOX (4-11/16" x 4-11/16" x 2-1/8") WITH SINGLE GANG REDUCTION PLATE. (BY DIV 26)
2. 1"Ø CONDUIT WITH 200 LBS 1/4" POLYLINE PULL STRING. (BY DIV 26)
3. END OF CONDUIT DEBURRED AND FITTED WITH PROTECTIVE GROMMET. (BY DIV 26)
4. STRUCTURED CABLING, OUTLETS, COVER PLATES, AND JACKS SUPPLIED AND INSTALLED BY COMMUNICATION CONTRACTOR. COORDINATE COVERPLATES COLOR WITH ARCHITECT.
5. PROVIDE DATA JACK FOR EACH CABLE.
6. FILL UNUSED POSITIONS WITH BLANKS.
7. COORDINATE EXACT MOUNTING HEIGHT AND DISTANCE WITH ARCHITECT/GC.
8. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR BOX, FACEPLATE, AND CONDUIT REQUIREMENTS.

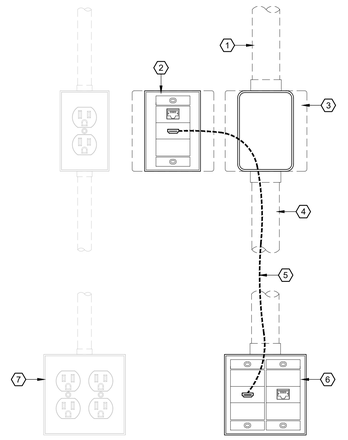


4 **POWER AND DATA OUTLET DETAIL**
SCALE: NOT TO SCALE

5 **NOT USED**
SCALE: NOT TO SCALE

KEYED NOTES:

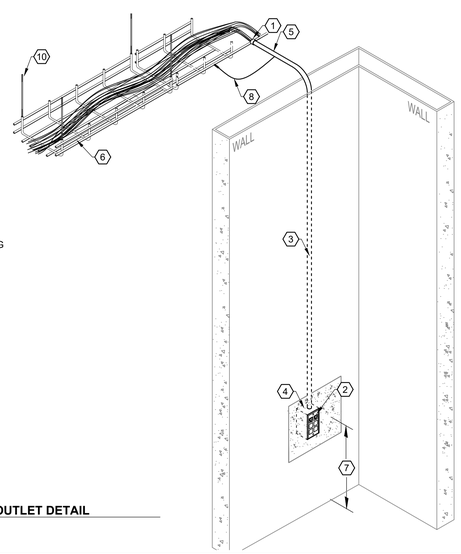
1. 2"Ø EMT CONDUIT WITH BUSHING AND PULL STRING, (STUB CONDUIT 6" ABOVE ACCESSIBLE CEILING AND INTO CLASSROOM ABOVE TEACHING WALL).
2. HDMI 1.3 CONNECTOR OUTLET - RECESSED DOUBLE GANG BOX (4-11/16" x 4-11/16" x 3-1/4") WITH HDMI 1.3 CONNECTOR AND ONE (1) DATA PORT IN SINGLE GANG FACE PLATE, POSITION OUTLET 1" BELOW METAL BACKING PLATE.
3. MUD RING OUTLET - RECESSED DOUBLE GANG BOX (4-11/16" x 4-11/16" x 3-1/4") WITH DOUBLE GANG MUD RING FOR TECH ACCESS, POSITION OUTLET 1" BELOW METAL BACKING PLATE. PROVIDE BLANK FACEPLATE AFTER CABLE PLACEMENT.
4. 2"Ø EMT CONDUIT WITH BUSHINGS AND PULL STRING.
5. HDMI 1.3 CONNECTORS AND HDMI 1.3 CABLE BY AV VENDOR (SHOWN FOR REFERENCE ONLY).
6. MULTIMEDIA OUTLET AT 18" AFF - RECESSED DOUBLE GANG BOX (4-11/16" x 4-11/16" x 3-1/4") WITH HDMI 1.3 CONNECTOR AND ONE (1) DATA PORT IN DOUBLE GANG FACE PLATE.
7. POWER AND CONDUIT SHOWN FOR REFERENCE ONLY.



6 **MULTIMEDIA OUTLET AND CONDUIT DETAIL**
SCALE: NOT TO SCALE

KEYED NOTES:

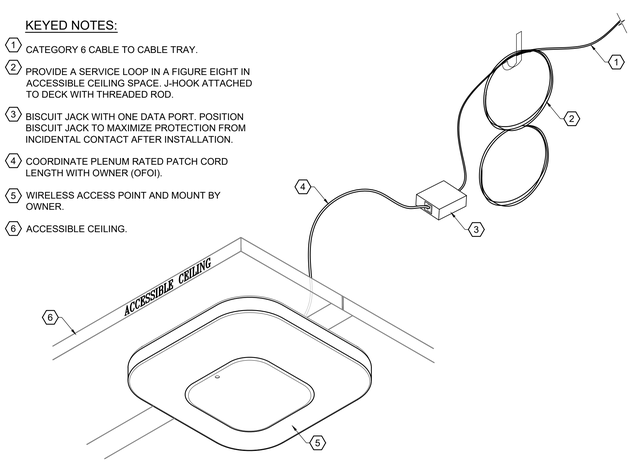
1. INSULATED BUSHING ON END OF CONDUIT
2. DATA OUTLET FACEPLATE.
3. 1" CONDUIT WITH PULL STRING.
4. BACK BOX AS INDICATED ON SYMBOL SCHEDULE. (TYP)
5. COMMUNICATION CABLING. VERIFY ALL CABLING IS SUPPORTED SUFFICIENTLY.
6. PRIMARY COMMUNICATIONS CABLING PATHWAY.
7. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/GC.
8. BOND CONDUIT TO TRAY.



7 **COMMUNICATIONS OUTLET DETAIL**
SCALE: NOT TO SCALE

KEYED NOTES:

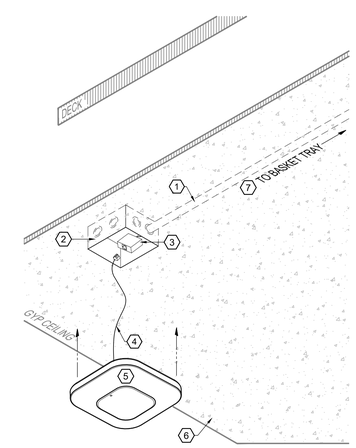
1. CATEGORY 6 CABLE TO CABLE TRAY.
2. PROVIDE A SERVICE LOOP IN A FIGURE EIGHT IN ACCESSIBLE CEILING SPACE. J-HOOK ATTACHED TO DECK WITH THREADED ROD.
3. BISCUIT JACK WITH ONE DATA PORT. POSITION BISCUIT JACK TO MAXIMIZE PROTECTION FROM INCIDENTAL CONTACT AFTER INSTALLATION.
4. COORDINATE PLENUM RATED PATCH CORD LENGTH WITH OWNER (OFOI).
5. WIRELESS ACCESS POINT AND MOUNT BY OWNER.
6. ACCESSIBLE CEILING.



8 **WIRELESS ACCESS POINT AT LAY-IN CEILING**
SCALE: NOT TO SCALE

KEYED NOTES:

1. ONE (1) 1"Ø CONDUIT WITH UTP CABLE ROUTED OVER HARD CEILING TO BASKET TRAY AT ACCESSIBLE CEILING. PROVIDE PULL STRING AND PROTECTIVE BUSHING AT END.
2. 4-11/16" x 4-11/16" x 2-1/8" DUAL GANG BOX MOUNTED FLUSH WITH GYP CEILING FOR ACCESS. (BY DIV 26)
3. BISCUIT JACK WITH ONE DATA PORT. .
4. COORDINATE PLENUM RATED PATCH CORD LENGTH WITH OWNER (OFOI).
5. WIRELESS ACCESS POINT AND MOUNT BY OWNER.
6. GYP/HARD CEILING.
7. PROVIDE CABLE SLACK STORED IN A FIGURE EIGHT ON J-HOOK WHERE CABLE EXITS CONDUIT (NOT SHOWN).



9 **WIRELESS ACCESS POINT AT GYP CEILING**
SCALE: NOT TO SCALE

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GENERAL DETAILS - COMMUNICATIONS

T401

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SECURITY RISER

SECURITY NOTES

ARCHITECT/GEN. CONTRACTOR/CONST. MANAGER NOTES:

1.) THE ARCHITECT AND/OR GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE TO ENSURE THAT ALL DIVISIONS AND TRADES ARE AWARE OF WORK REQUIRED TO SUPPORT THE INSTALLATION OF RELATED SYSTEMS AND SUB-SYSTEMS. CONTRACTORS ARE RESPONSIBLE TO REVIEW ALL RELATED SPECIFICATIONS AND DRAWINGS.

SECURITY NOTES:

1.) THE SECURITY INTEGRATOR (SUBCONTRACTOR) SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR RELATED SECTIONS, WHICH MAKE UP THE CONTRACT DOCUMENTS AND SHALL COORDINATE ALL ELECTRONIC SECURITY WORK ON THE ELECTRONIC SECURITY PLANS WITH ANY ELECTRONIC SECURITY SECTIONS OF RELATED DRAWINGS AND SPECIFICATIONS.

   A.) ELECTRONIC SECURITY REQUIREMENTS FOR THE PROJECT ARE THE RESPONSIBILITY OF THE SECURITY INTEGRATOR (SUBCONTRACTOR) UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES THAT APPLY. REFER TO MEP AND COMMUNICATIONS SHEETS FOR ADDITIONAL CABLING REQUIREMENTS.

2.) ALL COMPONENTS AND DEVICES SHOWN ON THESE DRAWINGS ARE FOR APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR G.C. PRIOR TO INSTALLATION.

3.) ALL PRIMARY SECURITY WIRING PATHWAYS OUTSIDE OF SECURITY ROOMS SHALL BE BY ELECTRICAL CONTRACTOR. ALL CONDUIT RUNS SHALL BE FROM THE INSTALLED SECURITY DEVICE LOCATION TO THE NEAREST ACCESSIBLE CEILING SPACE.

4.) CONTRACTOR SHALL COORDINATE WITH TELECOMMUNICATIONS CONTRACTOR AND CONSULT THE TELECOMMUNICATIONS DRAWINGS. INSTALL J-HOOKS AS REQUIRED TO SUPPORT SECURITY CABLING.

5.) PROVIDE ALL NECESSARY MEANS TO PROTECT ALL SECURITY CABLING AND CONNECTORS FROM MECHANICAL DAMAGE, DUST AND DIRT DURING CONSTRUCTION.

6.) FIRE PANEL CONNECTIVITY AND PROGRAMMING BY FIRE ALARM CONTRACTOR.

7.) SECURITY INTEGRATOR SHALL COORDINATE ANY INSTALLATION IN TELECOM ROOMS WITH OWNER IT DEPARTMENT.

8.) SHIELDED AND SCREENED CABLES SHALL HAVE THEIR SHIELD'S GROUNDED PER MANUFACTURER'S INSTRUCTION. WHEN SHIELD GROUNDS ARE REQUIRED AT ONE END ONLY, THEY SHALL BE GROUNDED AT THE DGP (MASTER PANEL WHEN REMOTE PANELS ARE USED), WITH THE OTHER END OF THE CABLE, INSULATED TO PREVENT SHIELD GROUNDING.

9.) ALL METALLIC DATA, SIGNALING AND POWER CONDUCTORS FOR ROOF, FENCE AND POLE/TOWER MOUNTED DEVICES/SENSORS SHALL HAVE SURGE SUPPRESSORS WITH MANUFACTURER RECOMMENDED GROUNDING AT BOTH THE DEVICE AND TERMINATION ENDS.

10.) ALL POWER SUPPLIES NOT FED FROM A UPS SHALL HAVE EXTERNAL SURGE SUPPRESSORS WITH MANUFACTURER RECOMMENDED GROUNDING.

ELECTRICAL CONTRACTOR NOTES:

1.) ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE THE FOLLOWING FOR SECURITY INFRASTRUCTURE: CONDUIT, SLEEVES, WALL, AND FLOOR BOXES. REFER TO ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS.

   A.) PROVIDE AND INSTALL WALL MOUNTED ¾" FIRE RETARDANT PLYWOOD FOR ALL SECURITY PANEL LOCATIONS. APPLY WHITE OR LIGHT COLORED PAINT TO ALL SIDES OF PLYWOOD PRIOR TO INSTALLATION. (BY ELECTRICAL CONTRACTOR, OR AS DESIGNATED BY C.M.)

   B.) REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE WALL AND CABINETRY BOX LOCATIONS.

   C.) ALL BOXES INSTALLED FOR SECURITY SHALL HAVE CONDUITS INSTALLED FROM BACK BOX TO NEAREST ACCESSIBLE CEILING SPACE AT A POINT THAT ALLOWS ADEQUATE VERTICAL WORK ROOM.

2.) CONTRACTOR SHALL PROVIDE RACEWAY INSTALLATION IN A MANNER THAT WILL PROTECT ALL SECURITY CABLING FROM MECHANICAL DAMAGE. INSTALL CONDUITS FOR SECURITY WITH LONG RADIUS BENDS AND BUSHED ENDS.

3.) PROVIDE DEDICATED RECEPTACLE CIRCUITS LOCATED ON OR NEAR EACH EQUIPMENT RACK LOCATED IN THE SECURITY ROOMS. SEE DRAWINGS FOR EXACT LOCATIONS.

4.) CONTRACTOR SHALL INSTALL A TIED OFF NYLON PULL STRING IN ALL CONDUITS.

5.) IDENTIFICATION:

   A.) SPRAY ALL BOXES AND CONDUIT FOR SECURITY WITH A DISTINCTIVE COLOR FOR EASY IDENTIFICATION. COLOR SHALL BE DIFFERENT FROM OTHER TRADES.

SECURITY BLOCK DIAGRAM

LEGEND

- WALL MOUNTED CARD READER
- MULLION MOUNTED CARD READER
- DOOR POSITION SENSOR
- REQUEST TO EXIT. (REX) (BY DIV 08)
- ELECTRIFIED DOOR HARDWARE WITH REMOTE LOCKDOWN CAPABILITY. (BY DIV 08)
- DOOR/OPENING CALLOUT. REFER TO DESIGNATED DETAIL.
- INTERIOR DOME CAMERA WITH A MINIMUM 2MP (1080P) RESOLUTION UNLESS OTHERWISE NOTED.
- WIDE ANGLE IP DOME CAMERA WITH A MINIMUM 8MP RESOLUTION UNLESS OTHERWISE NOTED. PROVIDE ENVIRONMENTALLY CONTROLLED ENCLOSURE.
- EXTERIOR DOME CAMERA WITH A MINIMUM 2MP (1080P) RESOLUTION UNLESS OTHERWISE NOTED. PROVIDE ENVIRONMENTALLY CONTROLLED ENCLOSURE.
- EMERGENCY PHONE / INTERCOM
- DESKTOP MASTER STATION
- DOOR RELEASE
- CEILING MOUNT MOTION DETECTOR
- DUAL TECHNOLOGY MOTION DETECTOR

ABBREVIATIONS

AC:	ACCESS CONTROL
APS:	ACCESS CONTROL SYSTEM POWER SUPPLY
CCTV:	CLOSED CIRCUIT TELEVISION
CPS:	CAMERA POWER SUPPLY
CPU:	CENTRAL PROCESSING UNIT
CR:	CARD READER
DGP:	DATA GATHERING PANEL
DVR:	DIGITAL VIDEO RECORDER
DIV 01:	GENERAL REQUIREMENTS
DIV 08:	OPENINGS
DIV 26:	ELECTRICAL
DIV 27:	COMMUNICATIONS
DP:	DOOR POSITION SENSOR
FOV:	FIELD OF VIEW – CAMERA PICTURE
GB:	GLASS BREAK DETECTOR
ID:	INTRUSION DETECTION
KVM:	KEYBOARD–VIDEO–MOUSE SWITCH
KP:	INTRUSION DETECTION KEYPAD
LPR:	LICENSE PLATE RECOGNITION
LPS:	LOCK POWER SUPPLY
MD:	MOTION DETECTOR
MP:	MEGAPIXEL – CAMERA RESOLUTION
NVR:	NETWORK VIDEO RECORDER
OFCI:	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI:	OWNER FURNISHED, OWNER INSTALLED
PoE:	POWER OVER ETHERNET
PP:	TELECOMMUNICATIONS PATCH PANEL
TR:	TELECOMMUNICATIONS ROOM
TCP/IP:	TRANSFER CONTROL/INTERNET PROTOCOL
UPS:	UNINTERRUPTIBLE POWER SUPPLY
UTP:	UNSHIELDED TWISTED PAIR
VMS:	VIDEO MANAGEMENT SYSTEM

DRAWING LIST

SC001	LEGEND AND NOTES – SECURITY
SC002	RESPONSIBILITY MATRIX – SECURITY
SC201	OVERALL FLOOR PLAN – LEVEL 1 – SECURITY
SC301	DOOR ELEVATION DETAILS – SECURITY

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No.	Date

JOB NO. 2239
DATE: 06/11/2025

LEGEND AND NOTES - SECURITY

SC001

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DALLAS ISD ORGANIZATION	DALLAS ISD DEPT / DIV / GROUP	BUILDING SYSTEMS	DESCRIPTION: EQUIPMENT & DEVICES	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	POWER:
				DESIGNED & DOCUMENTED FOR CONSTRUCTION BY	DESGNED & DOCUMENTED FOR CONSTRUCTION BY	PROVIDED AND INSTALLED BY	PROVIDED AND INSTALLED BY	PROVIDED AND INSTALLED BY
IT/POLICE	CSS EM	ACCESS CONTROL	MDF & IDF ROOM SECURITY	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/ POLICE	CSS/EM	ACCESS CONTROL	CARD ACCESS/CCTV HEADEND LICENSING	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	CONTROL PANELS	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	ACCESS CONTROL	CARD READERS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	DOOR CONTRACTS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	ELECTRIFIED DOOR HARDWARE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	ACCESS CONTROL	ELECTRIFIED DOOR HARDWARE POWER SUPPLIES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	ACCESS CONTROL	IP INTERCOMS: MASTERS	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	AUDIO-VISUAL	AUDIO-VISUAL	CAFETORIUMS: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	AUDIO-VISUAL	CAFETORIUM: VIDEO PROJECTOR AND SCREEN	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&0	EMS/CONTROLS	BAS	JACE: EQUIPMENT, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	INTERACTIVE DISPLAYS	IT A/V VENDOR	A/E	IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/AES	AUDIO-VSUAL PERFORMING ARTS	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	AUDITORIUMS: SOUND SYSTEM	A/E THEATRE CONSULTANT	A/E	CS-GENERAL CONTRACTOR PURCHASED FROM IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/AES	AUDIO-VSUAL PERFORMING ARTS	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	AUDITORIUM: VIDEO PROJECTOR AND SCREEN	A/E THEATRE CONSULTANT	A/E	CS-GENERAL CONTRACTOR PURCHASED FROM IT A/V VENDOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	AUDIO-VISUAL	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	MULTI - PURPOSE ROOMS: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	DISTRIBUTED AUDIO-VISUAL COMMUNICATIONS SYSTEMS	GYMNASIUM: SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ELEVATORS	ELEVATORS	WIRELESS EMERGENCY CALL-OUT	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ELEVATORS	ELEVATORS	SUMP HIGH FLOAT LOCAL ALARM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	E-RATE	TECHNOLOGY INFRASTRUCTURE	A/E IT - CONSULTANT	A/E	IT - INFRASTRUCTURE PM	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FIBER OPTIC	FIBER OPTIC CABLE FROM STREET TO MDF UPN	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
M&O	ALARMS	FIRE (SPRNKLER) SUPPRESSION	FLOW DETECTION	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	ALARMS	FIRE ALARM	FIRE ALARM WIRELESS RADIO (AES) CALL-OUT, PANELS, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS-GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FOOD AND CHILD NUTRITION SERVICES	CAFETERA POINT OF SALE POS	FCNS CONTRACTOR	A/E	FCNS CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	FOOD AND CHILD NUTRITION SERVICES	CAFETERIA DIGITAL DISPLAYS	A/E IT - CONSULTANT & A/E	A/E	DISPLAY: CS - GENERAL CONTRACTOR CABLING: IT-TECHNOLOGY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	INFRASTRUCTURE	FIBER OPTIC PATCH PANELS, JUMPERS, ETAL	IT - CABLING CONTRACTOR	A/E	IT - CABLING CONTRACTOR	N/A	N/A
M&0	ALARMS	INTRUSION DETEC1ON SYSTEM	INTRUSION WIRELESS CALL - OUT, PANELS, KEYPADS, CABLING, DEVICES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&0	GROUNDS	MARQUEE SIGN	MARQUEE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC CABLING - DARK FIBER	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC BACKBONE CABLING: MDF TO IDF'S	IT - CABLING CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL		CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	MDF/IDF: HIGH HEAT ALARM SIGNAL	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/M&O	INFRASTRUCTURE ELECTRCAL	NETWORK	MDF/IDF: LIGHTNING PROTECTION SYSTEM AND EVENT ALERT	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	PORTABLES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	UPS	A/E	A/E	IT - NETWORK EQUIPMENT CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	WIRELESS ACCESS POINTS (WAPS)	A/E IT - CONSULTANT	A/E	IT - NETWORK EQUIPMENT CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	CABLING	A/E IT - CONSULTANT	A/E	IT - CABLING CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	PATCH PANELS	A/E IT - CONSULTANT	N/A	IT - CABLING CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	RACKS (FLOOR MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	RACKS (WALL MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	PATCH CABLES	IT - CONSULTANT	N/A	IT - TECHNOLOGY CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	BIOMETRIC CLOCKS (BIOCLOCKS)	A/E	A/E	CABLING BY IT - CABLING CONTRACTOR. DEVICE PROVIDED BY CS - GC PURCHASED FROM IT - BIOMETRIC CLOCK VENDOR	CS - GENERAL CONTRACTOR	POE BY IT—CABLING CONTRACTOR. DOES NOT REQUIRE LINE VOLTAGE POWER.
IT	INFRASTRUCTURE	NETWORK	POE SWITCH NETWORK	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	N/A
M&O	SOUND STAGE	NETWORK	MASTER CLOCK	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	NETWORK	PATCH PANELS SECURITY	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	N/A
IT/POLICE	CSS/EM	NETWORK	POE SWITCHES SECURITY DEVICES	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT/SPED	CSS	SAFETY & SECURITY	SPED MONITORING SYSTEM CAMERAS AND RECORDING	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE	CSS/EM	SECURE VESTIBULE	SEE "ACCESS CONTROL" DIV 28	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	CAMERAS: EXTERIOR	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	CAMERAS: INTERIOR	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT/ POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	CABLING SWITCH TO DEVICE	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE	CSS/EM	SECURITY: ELECTRONIC SURVEILLANCE	STORAGE SERVERS	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	STORM SHELTER OPERATIONS	CONTROL ROOM: PANELS, MONITORING AND OPERATIONAL CONTROLS, DEVICES, AND SIGNAGE	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/ POLICE M&F	CSS/EM ELECTRICAL	UPS (NON-NETWORK)	STORM SHELTER POWER AND MONITORING: GENERATOR OR BATTERY	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	PA IP INTEGRATED ELECTRONIC COMMUNICATIONS NETWORK	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	VOIP	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	POE SWITCHES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
M&0	SOUND STAGE	VOICE COMMUNICATIONS	PATCH CABLES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A
M&0	SOUND STAGE	VOICE COMMUNICATIONS	PATCH PANELS SOUND SYSTEM	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A

Who: Destinee.Harris
When: Jun 04, 2025 - 11:45am
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DISD L.L. Hotchkiss Elementary School

6929 Town North Dr, Dallas, TX 75231

REVISIONS:
No. Date

JOB NO. 2239
DATE: 06/11/2025

RESPONSIBILITY MATRIX - SECURITY

SC002

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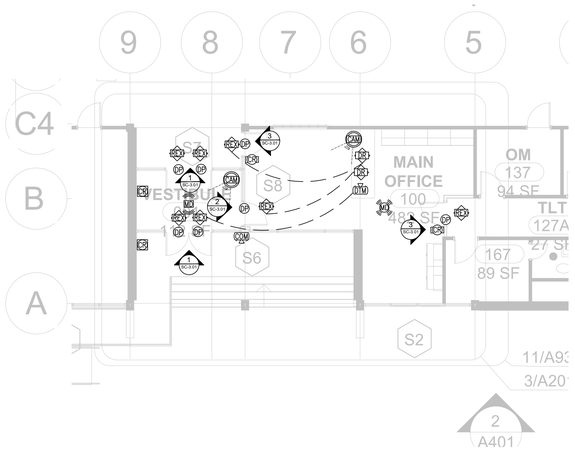

1 OVERALL FLOOR PLAN - LEVEL 1 - SECURE VESTIBULE - SECURITY
1/8" = 1'-0"

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6929 Town North Dr, Dallas, TX 75231

REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

OVERALL FLOOR PLAN - LEVEL 1 - SECURITY

SC201

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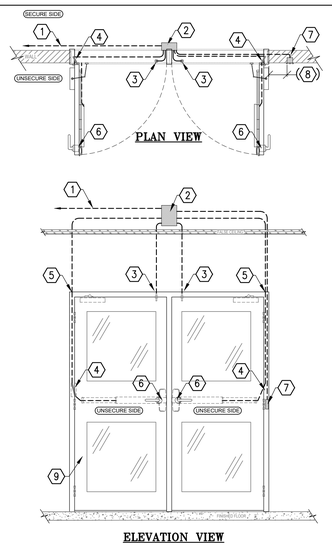
KEYED NOTES:

1. ¾"ø CONDUIT TO ACCESSIBLE CEILING FOR PATHWAY AND WIRING TO SECURITY CONTROL LOCATION. (BY DIV 26)
2. CONCEALED 6" X 8" X 4" COVERED JUNCTION BOX LOCATED NEAR DOOR ABOVE CEILING ACCESSIBLE TO SECURE SIDE. (BY DIV 26)
3. CONCEALED DOOR POSITION SENSOR. PROVIDE ¾"ø CONDUIT AND REQUIRED FRAME AND PATHWAY PREPARATION.
4. POWER TRANSFER FOR WIRE ROUTING TO J-BOX. (BY DIV 08)
5. PROVIDE ¾"ø CONDUIT, REQUIRED FRAME, AND PATHWAY PREPARATION FOR WIREWAY THROUGH DOOR.
6. ELECTRIFIED EXIT DEVICE WITH INTEGRAL REX SWITCH AND MONITORING ON SECURE SIDE. (BY DIV 08)
7. ¾"ø CONDUIT TO MULLION MOUNTED CARD READER. (BY DIV 26)
8. MOUNT CARD READER ON UNSECURE SIDE 36" AFF AND 6" OPTIMUM FROM DOOR.
9. COORDINATE GLASS/ALUMINUM DOOR WITH DIVISION 08 DOOR AND HARDWARE SPECIFICATIONS/DRAWINGS.

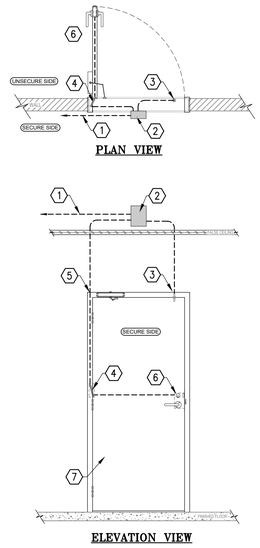


1 DOUBLE EXIT DEVICE CARD READER DOOR
SCALE: Not to Scale

KEYED NOTES:

1. ¾"ø CONDUIT TO ACCESSIBLE CEILING FOR PATHWAY AND WIRING TO SECURITY CONTROL LOCATION. (BY DIV 26)
2. CONCEALED 6" X 8" X 4" COVERED JUNCTION BOX LOCATED NEAR DOOR ABOVE CEILING ACCESSIBLE TO SECURE SIDE. (BY DIV 26)
3. CONCEALED DOOR POSITION SENSOR. PROVIDE ¾"ø CONDUIT AND REQUIRED FRAME AND PATHWAY PREPARATION.
4. POWER TRANSFER FOR WIRE ROUTING TO J-BOX. (BY DIV 08)
5. PROVIDE ¾"ø CONDUIT, REQUIRED FRAME, AND PATHWAY PREPARATION FOR WIREWAY THROUGH DOOR.
6. ELECTRIFIED LOCKSET WITH INTEGRAL REX SWITCH. (BY DIV 08)
7. COORDINATE WITH DIVISION 08 DOOR AND HARDWARE SPECIFICATIONS/DRAWINGS.

SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.

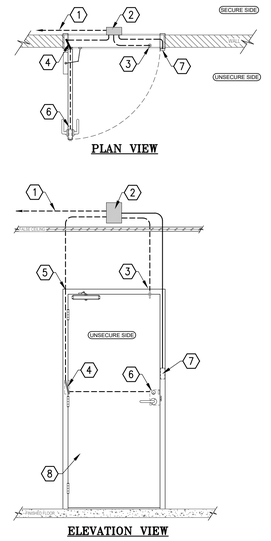


2 SINGLE ELEC. LOCK MONITORED DOOR
SCALE: Not to Scale

KEYED NOTES:

1. ¾"ø CONDUIT TO ACCESSIBLE CEILING FOR PATHWAY AND WIRING TO SECURITY CONTROL LOCATION. (BY DIV 26)
2. CONCEALED 6" X 8" X 4" COVERED JUNCTION BOX LOCATED NEAR DOOR ABOVE CEILING ACCESSIBLE TO SECURE SIDE. (BY DIV 26)
3. CONCEALED DOOR POSITION SENSOR. PROVIDE ¾"ø CONDUIT AND REQUIRED FRAME AND PATHWAY PREPARATION.
4. POWER TRANSFER FOR WIRE ROUTING TO J-BOX. (BY DIV 08)
5. PROVIDE ¾"ø CONDUIT, REQUIRED FRAME, AND PATHWAY PREPARATION FOR WIREWAY THROUGH DOOR.
6. ELECTRIFIED LOCKSET WITH INTEGRAL REX SWITCH. (BY DIV 08)
7. MULLION-TYPE CARD READER. COORDINATE WITH DOOR INSTALLER TO ROUTE WIRES IN DOOR FRAME.
8. COORDINATE WITH DIVISION 08 DOOR AND HARDWARE SPECIFICATIONS/DRAWINGS.

SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



3 MULLION CARD READER DOOR
SCALE: Not to Scale

KEYED NOTES:

1. RECESSED SINGLE GANG BACK BOX.
2. ¾"ø CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE. (BY DIV 26)
3. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/GC.
4. DOOR MULLION.
5. COORDINATE WIRE ROUTING WITH DIV 08.
6. PROVIDE END OF LINE RESISTOR. LABEL TOP OF CARD READER (BY OTHERS) WITH CORRESPONDING DOOR DESIGNATION. COORDINATE WITH OWNER ON EXACT LABELING METHOD.
7. CARD READER PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.

4 MULTI CLASS SE CARD READERS ( )
SCALE: Not to Scale

KEYED NOTES:

1. CONCEALED 6" X 8" X 4" COVERED JUNCTION BOX LOCATED NEAR DOOR ABOVE CEILING ACCESSIBLE TO SECURE SIDE. (BY DIV 26)
2. ¾"ø CONDUIT C/W PULL STRING. (BY DIV 26)
3. MAXIMUM OF 2" GAP WITH CLEAR WIRING PATH TO SWITCH.
4. 6" OPTIMAL FROM OUTSIDE EDGE OF HEADER.
5. DOOR. (BY DIV 08)
6. DOOR FRAME. (BY DIV 01 & 08)
7. DOOR POSITION SWITCH (1"ø) WITH DPDT CONTACTS. PROVIDE END OF LINE RESISTOR.
8. DOOR MOUNTED MAGNET (1"ø).
9. SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.

5 MONITORED DOOR POSITION SENSOR ( )
SCALE: Not to Scale

KEYED NOTES:

1. ¾"ø CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY. (BY DIV 26)
2. 4" X 4" X 2⅛" BOX. (BY DIV 26)
3. BOX COVER PLATE WITH TORX TAMPER RESISTANT SCREWS.
4. PROVIDE FLUSH MOUNTED CAMERA, BACKBOX, ENCLOSURE AND MOUNTING HARDWARE. (BY OTHERS)
5. SCHEDULED CEILING.
6. BISCUIT WITH RJ-45 JACK UNMOUNTED IN BOX. (BY DIV 27)
7. PROVIDE AND INSTALL GROMMET FOR KNOCK-OUT.
8. PATCH CABLES MUST BE FACTORY MADE.
9. HOMERUN BACK TO NEAREST TELECOM ROOM. (BY DIV 27)
9. SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.

6 CEILING MOUNTED CAMERA DETAIL
SCALE: Not to Scale

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REVISIONS:

No.	Date

JOB NO. 2239
DATE: 06/11/2025

DOOR ELEVATION DETAILS - SECURITY

SC301

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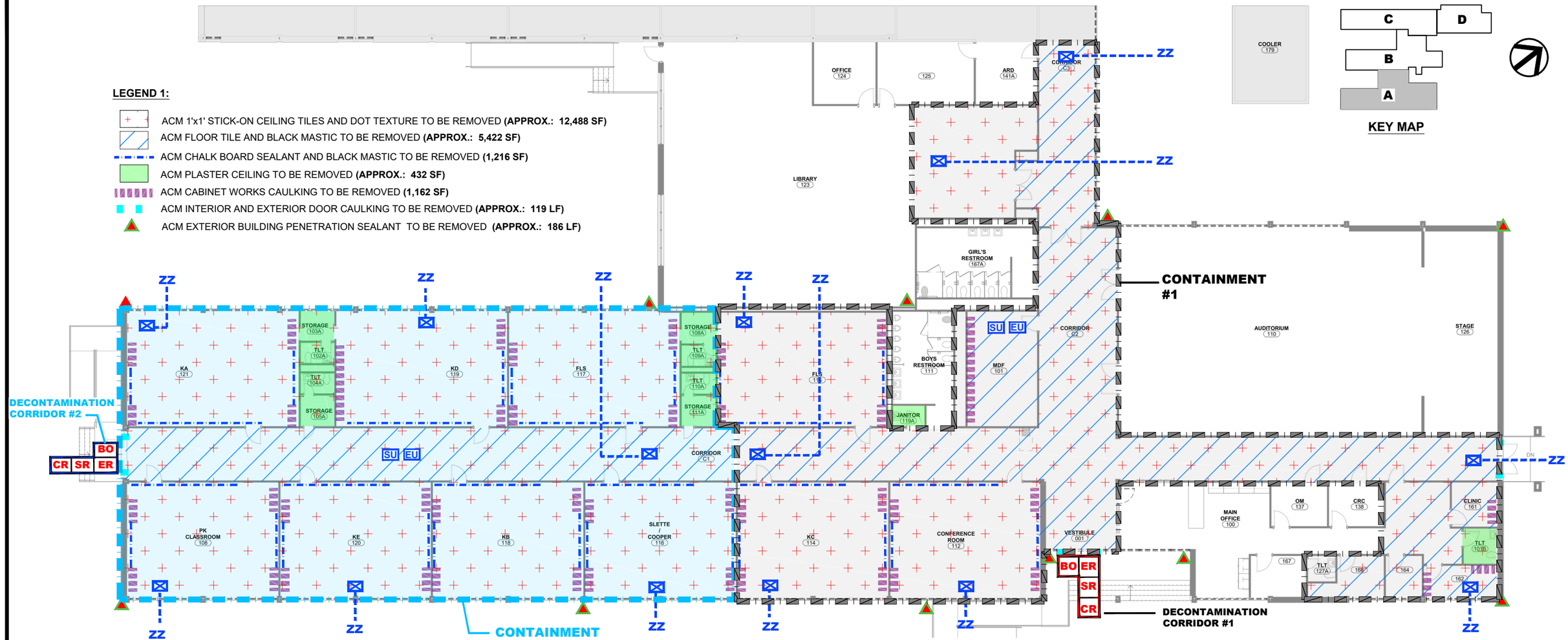


LEVEL 1 - UNIT A

FIGURE 8

Asbestos-Containing Building Materials Abatement

L. L. Hotchkiss Elementary School
6929 Town North Drive
Dallas, Texas 75231

BENAS Project No.: BA-24-1703

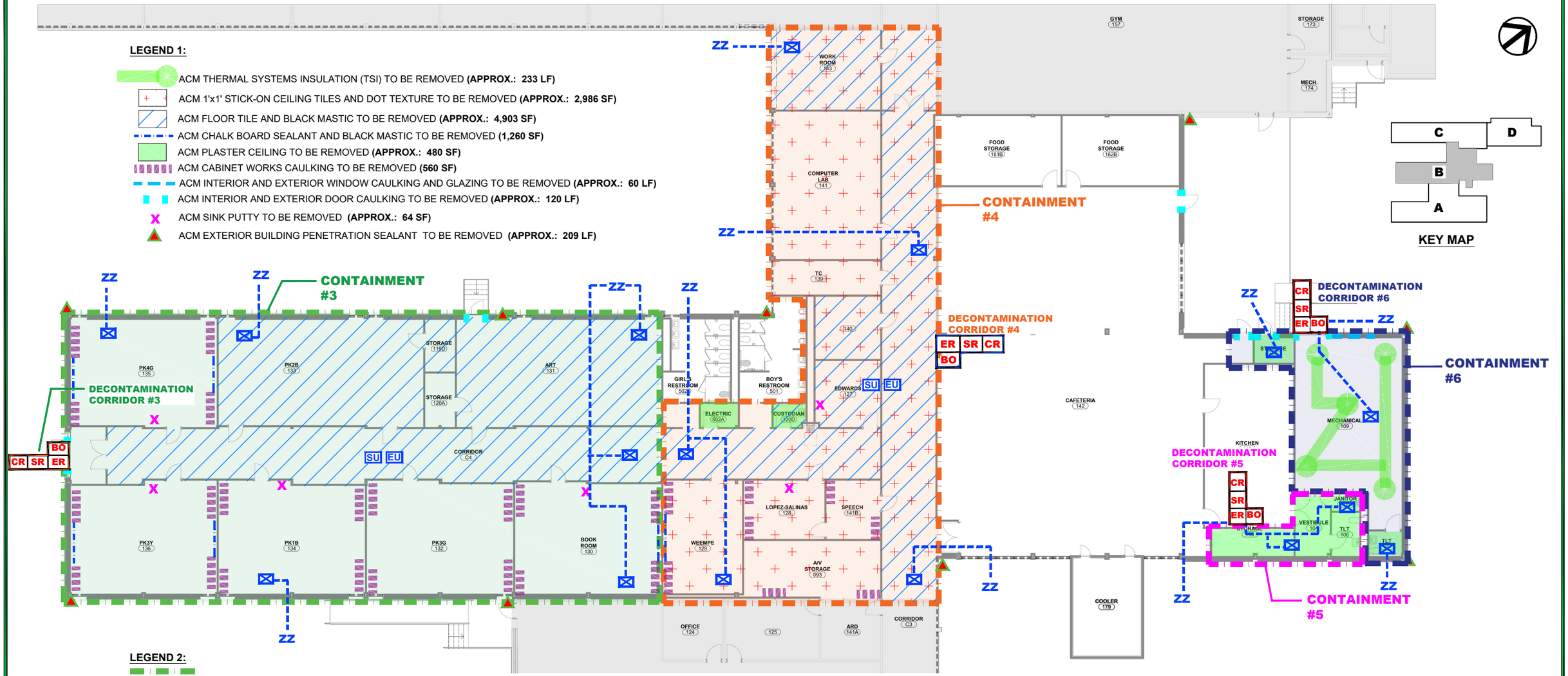
BENAS Environmental Services, Inc.
ENVIRONMENTAL CONSULTANTS
P.O. BOX 739
COPPELL, TEXAS 75019
PHONE: (972) 393-0128 FAX: (972) 393-0793

HATCHING AND LOCATIONS FOR ASBESTOS-CONTAINING MATERIALS TO BE REMOVED

Prepared for: Dallas Independent School District (DISD)
Attention: Mr. Terrance Mack, Design Manager, CBRE/VANIR Joint Venture
Prepared by: BENAS Environmental Services, Inc. 10-0173
Ephraim N. Okotcha "EO" Texas Licensed Consultant:10-5399

LEGEND 1:

- ACM THERMAL SYSTEMS INSULATION (TSI) TO BE REMOVED **(APPROX.: 233 LF)**
- ACM 1'x1' STICK-ON CEILING TILES AND DOT TEXTURE TO BE REMOVED **(APPROX.: 2,986 SF)**
- ACM FLOOR TILE AND BLACK MASTIC TO BE REMOVED **(APPROX.: 4,903 SF)**
- ACM CHALK BOARD SEALANT AND BLACK MASTIC TO BE REMOVED **(1,260 SF)**
- ACM PLASTER CEILING TO BE REMOVED **(APPROX.: 480 SF)**
- ACM CABINET WORKS CAULKING TO BE REMOVED **(560 SF)**
- ACM INTERIOR AND EXTERIOR WINDOW CAULKING AND GLAZING TO BE REMOVED **(APPROX.: 60 LF)**
- ACM INTERIOR AND EXTERIOR DOOR CAULKING TO BE REMOVED **(APPROX.: 120 LF)**
- X ACM SINK PUTTY TO BE REMOVED **(APPROX.: 64 SF)**
- ACM EXTERIOR BUILDING PENETRATION SEALANT TO BE REMOVED **(APPROX.: 209 LF)**



LEGEND 2:

- CONTAINMENT BARRIER
- AIR FILTER DEVICE (AFD)
- SU SCRUBBER AFD UNIT
- EU EMERGENCY AFD UNIT
- ZZ AFD EXHAUST ROUTE
- ER EQUIPMENT ROOM
- SR SHOWER ROOM
- CR CLEAN ROOM
- BO BAG-OUT ROOM

LEVEL 1 - AREA B

FIGURE 9

Asbestos-Containing Building Materials Abatement

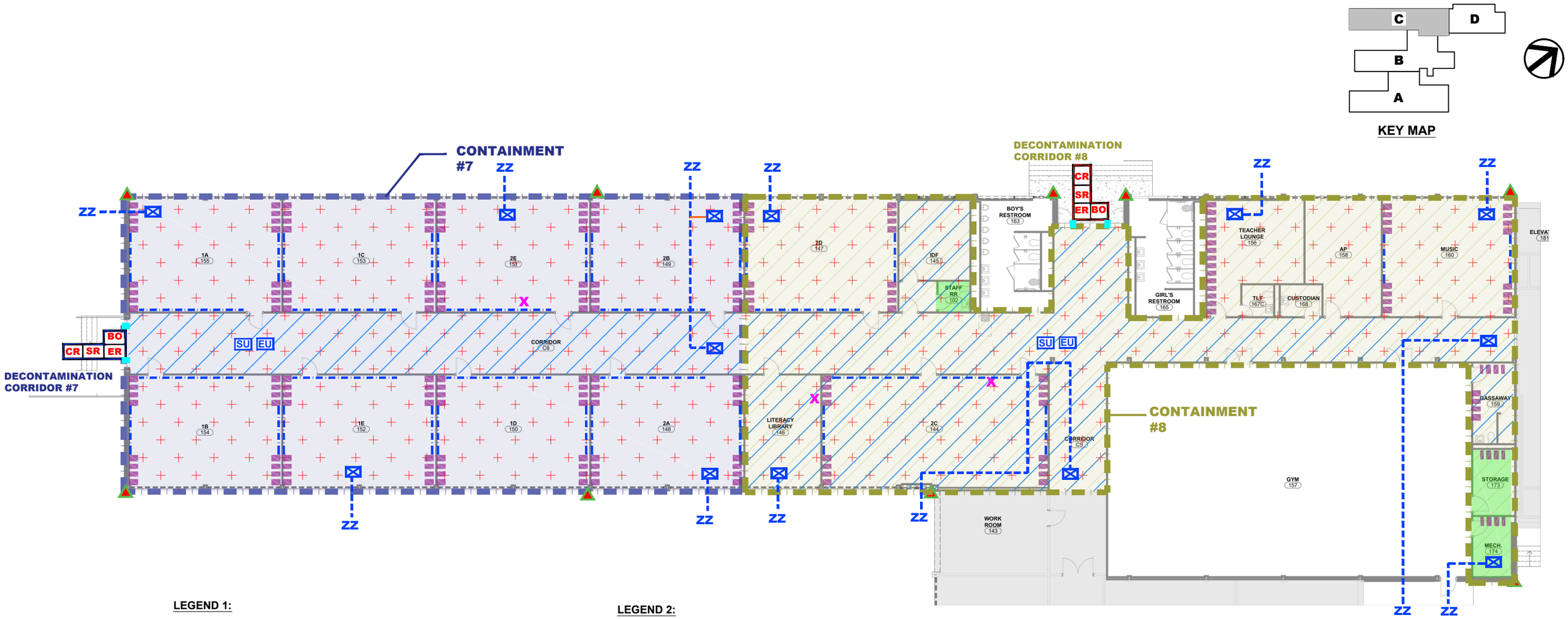
L. L. Hotchkiss Elementary School
6929 Town North Drive
Dallas, Texas 75231

BENAS Project No.: BA-24-1703

BENAS Environmental Services, Inc.
ENVIRONMENTAL CONSULTANTS
P.O. BOX 739
COPPELL, TEXAS 75019
PHONE: (972) 393-0128 FAX: (972) 393-0793

HATCHING AND LOCATIONS FOR ASBESTOS-CONTAINING MATERIALS TO BE REMOVED

Prepared for: Dallas Independent School District (DISD)
Attention: Mr. Terrance Mack, Design Manager, CBRE/VANIR Joint Venture
Prepared by: BENAS Environmental Services, Inc. 10-0173
Ephraim N. Okotcha "EO" Texas Licensed Consultant:10-5399



LEGEND 1:

- ACM 1'x1' STICK-ON CEILING TILES AND DOT TEXTURE TO BE REMOVED **(APPROX.: 12,256 SF)**
- ACM FLOOR TILE AND BLACK MASTIC TO BE REMOVED **(APPROX.: 6,204 SF)**
- ACM CHALK BOARD SEALANT AND BLACK MASTIC TO BE REMOVED **(2,805 SF)**
- ACM PLASTER CEILING TO BE REMOVED **(APPROX.: 192 SF)**
- ACM CABINET WORKS CAULKING TO BE REMOVED **(1,189 SF)**
- ACM INTERIOR AND EXTERIOR DOOR CAULKING TO BE REMOVED **(APPROX.: 120 LF)**
- X ACM SINK PUTTY TO BE REMOVED **(APPROX.: 48 SF)**
- ACM EXTERIOR BUILDING PENETRATION SEALANT TO BE REMOVED **(APPROX.: 220 LF)**

LEGEND 2:

- CONTAINMENT BARRIER
- AIR FILTER DEVICE (AFD)
- SU SCRUBBER AFD UNIT
- EU EMERGENCY AFD UNIT
- ZZ AFD EXHAUST ROUTE
- ER EQUIPMENT ROOM
- SR SHOWER ROOM
- CR CLEAN ROOM
- BO BAG-OUT ROOM

LEVEL 1 - AREA C

FIGURE 10

Asbestos-Containing Building Materials Abatement

L. L. Hotchkiss Elementary School
6929 Town North Drive
Dallas, Texas 75231

BENAS Project No.: BA-24-1703

BENAS Environmental Services, Inc.
ENVIRONMENTAL CONSULTANTS
P.O. BOX 739
COPPELL, TEXAS 75019
PHONE: (972) 393-0128 FAX: (972) 393-0793

HATCHING AND LOCATIONS FOR ASBESTOS-CONTAINING MATERIALS TO BE REMOVED

Prepared for: Dallas Independent School District (DISD)
Attention: Mr. Terrance Mack, Design Manager, CBRE/VANIR Joint Venture
Prepared by: BENAS Environmental Services, Inc. 10-0173
Ephraim N. Okotcha "EO" Texas Licensed Consultant:10-5399

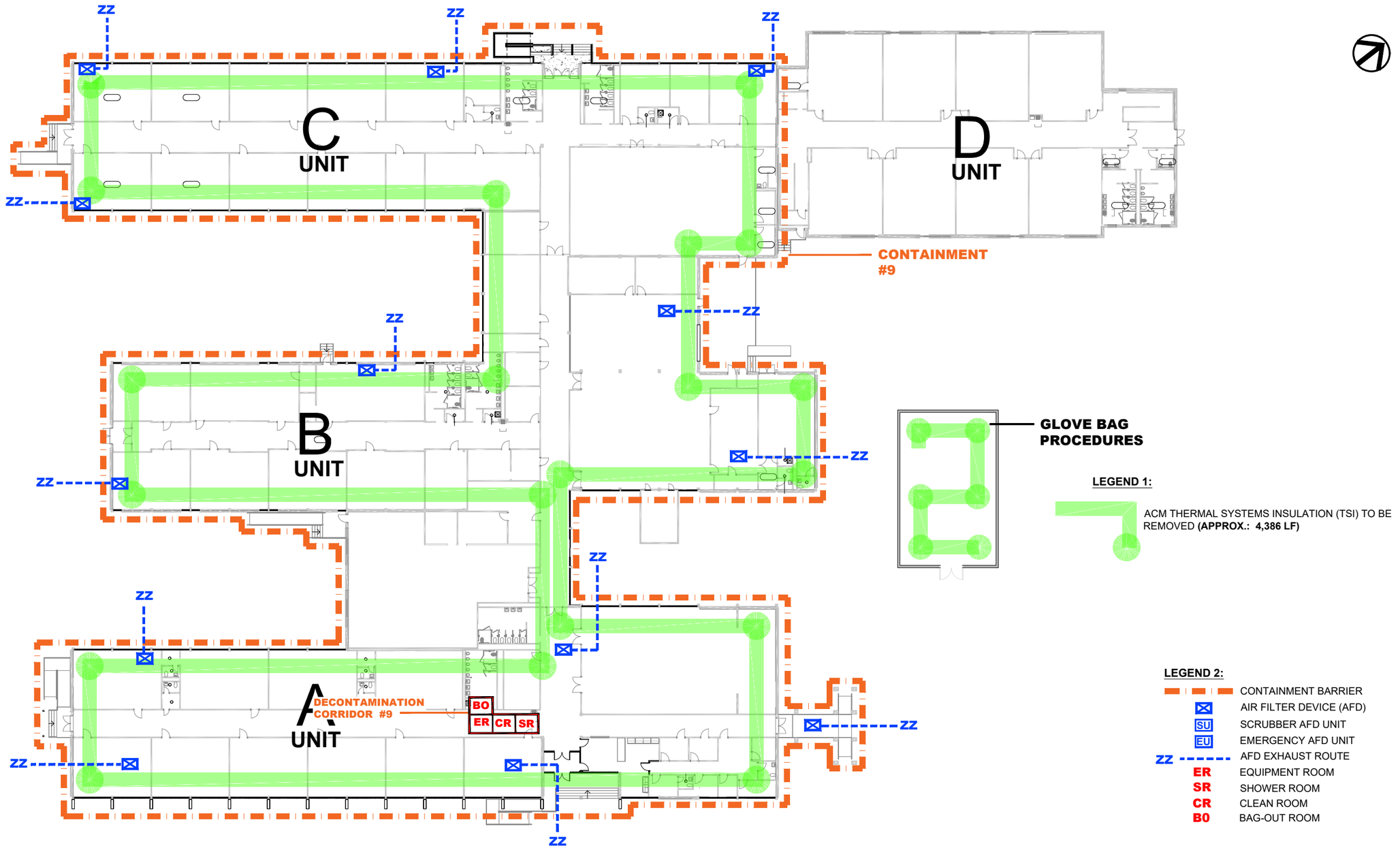


FIGURE 11

Asbestos-Containing Building Materials Abatement

L. L. Hotchkiss Elementary School
6929 Town North Drive
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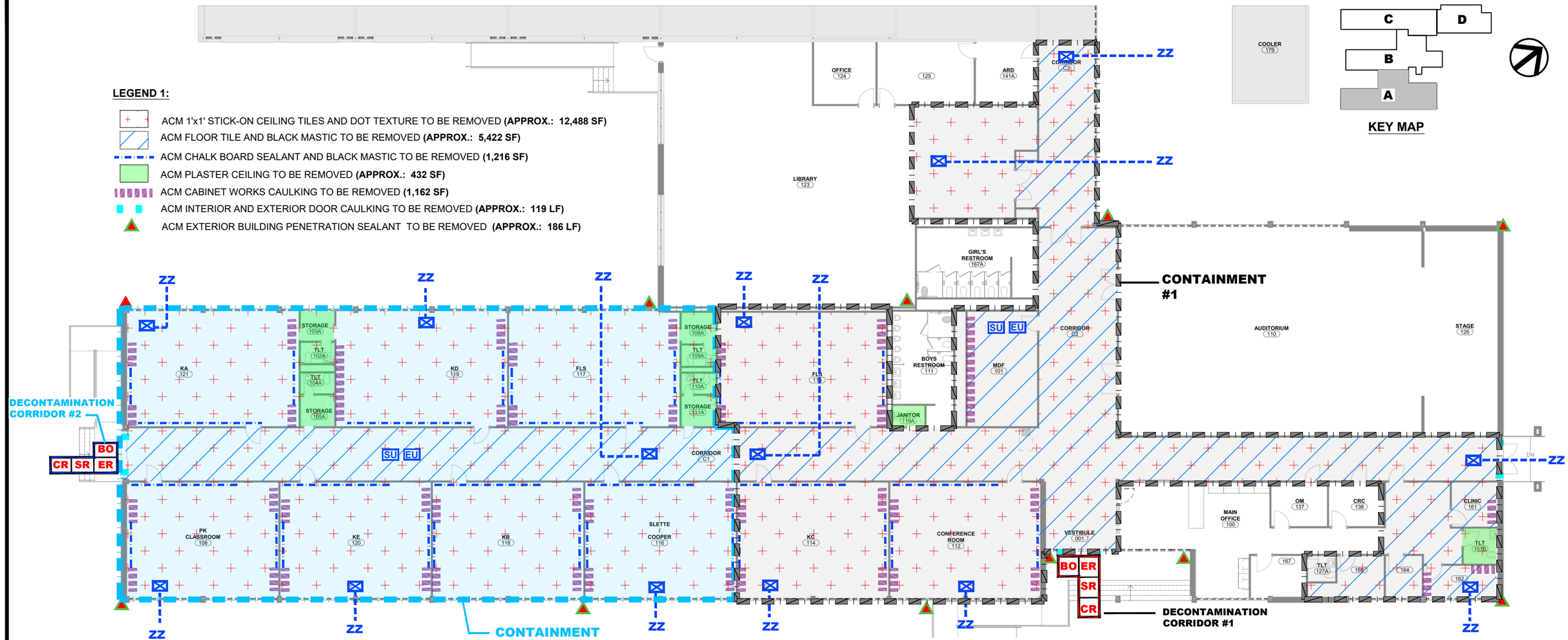

LEVEL 1 - UNIT A

FIGURE 8

Asbestos-Containing Building Materials Abatement

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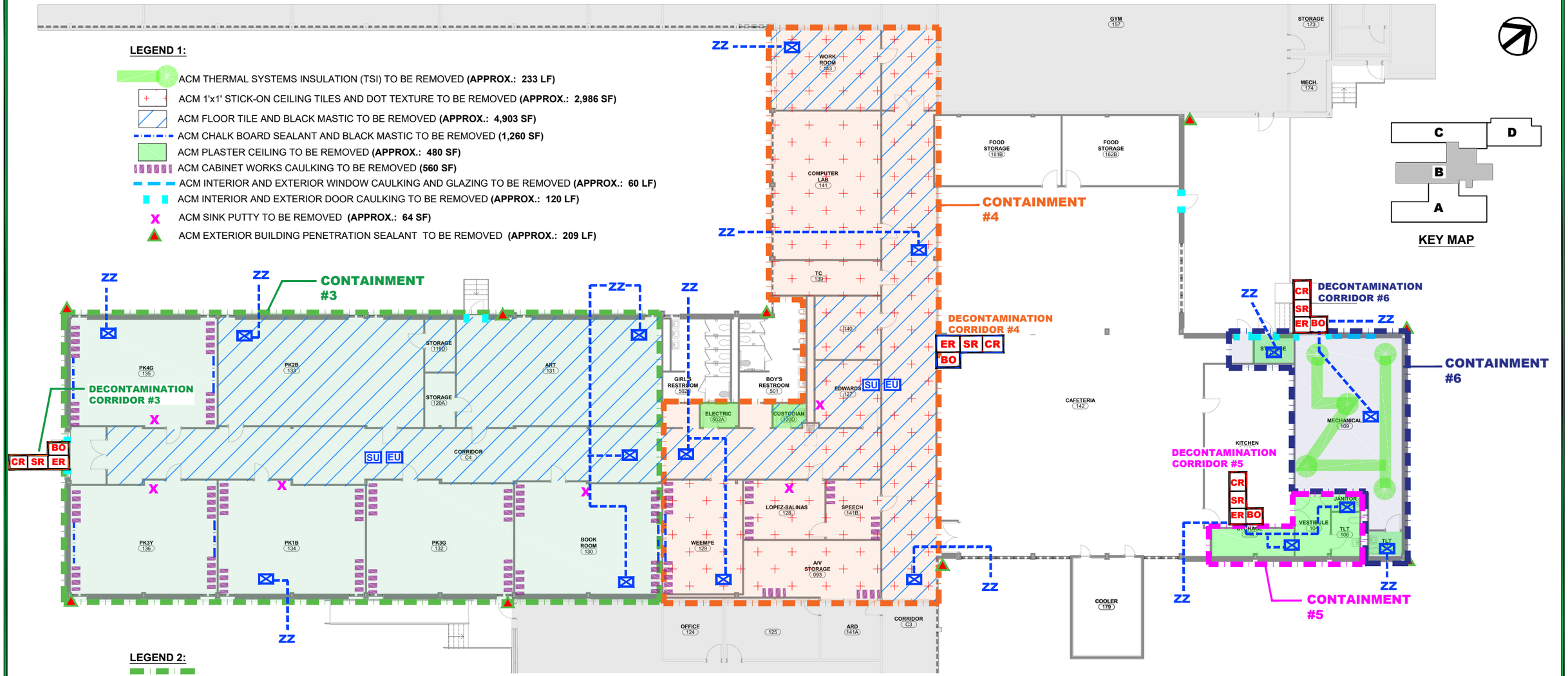
LEGEND 1:

- ACM THERMAL SYSTEMS INSULATION (TSI) TO BE REMOVED **(APPROX.: 233 LF)**
- ACM 1'x1' STICK-ON CEILING TILES AND DOT TEXTURE TO BE REMOVED **(APPROX.: 2,986 SF)**
- ACM FLOOR TILE AND BLACK MASTIC TO BE REMOVED **(APPROX.: 4,903 SF)**
- ACM CHALK BOARD SEALANT AND BLACK MASTIC TO BE REMOVED **(1,260 SF)**
- ACM PLASTER CEILING TO BE REMOVED **(APPROX.: 480 SF)**
- ACM CABINET WORKS CAULKING TO BE REMOVED **(560 SF)**
- ACM INTERIOR AND EXTERIOR WINDOW CAULKING AND GLAZING TO BE REMOVED **(APPROX.: 60 LF)**
- ACM INTERIOR AND EXTERIOR DOOR CAULKING TO BE REMOVED **(APPROX.: 120 LF)**
- X ACM SINK PUTTY TO BE REMOVED **(APPROX.: 64 SF)**
- ACM EXTERIOR BUILDING PENETRATION SEALANT TO BE REMOVED **(APPROX.: 209 LF)**



LEGEND 2:

- CONTAINMENT BARRIER
- AIR FILTER DEVICE (AFD)
- SU SCRUBBER AFD UNIT
- EU EMERGENCY AFD UNIT
- ZZ AFD EXHAUST ROUTE
- ER EQUIPMENT ROOM
- SR SHOWER ROOM
- CR CLEAN ROOM
- BO BAG-OUT ROOM

LEVEL 1 - AREA B

FIGURE 9

Asbestos-Containing Building Materials Abatement

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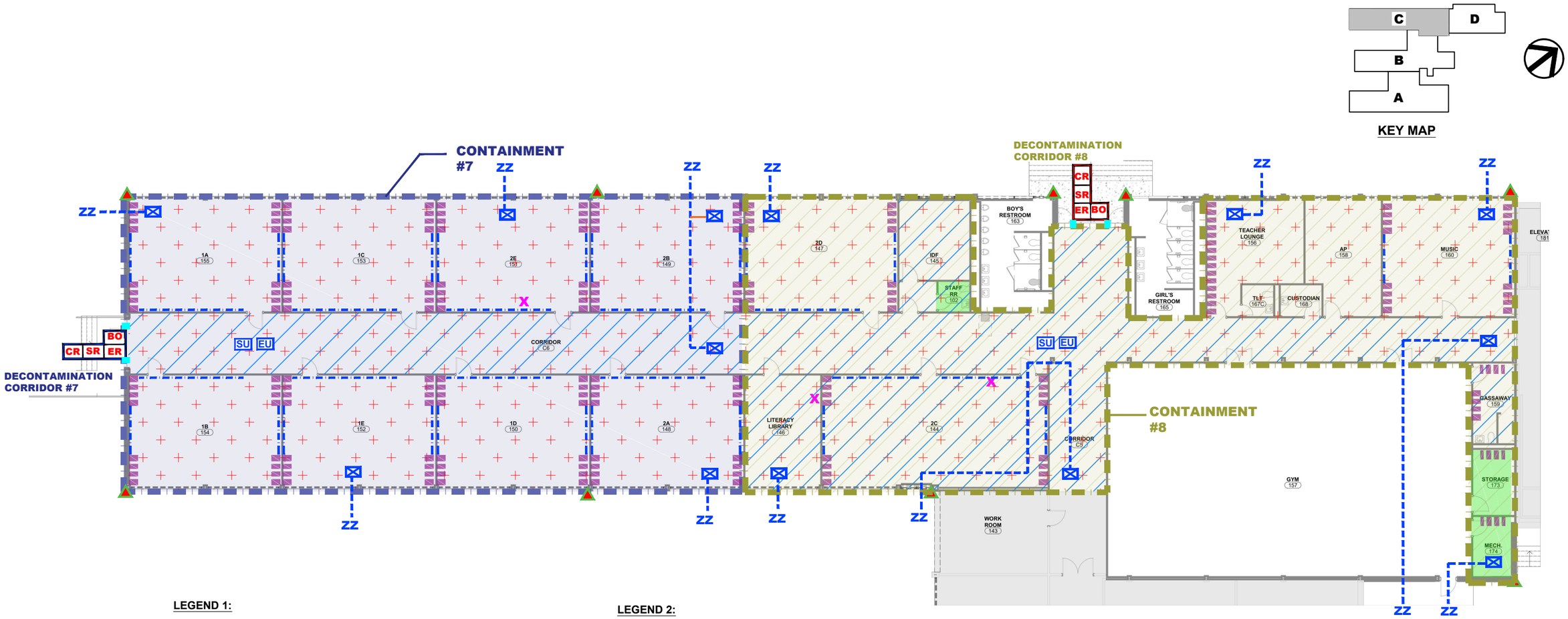

LEGEND 1:

- ACM 1'x1' STICK-ON CEILING TILES AND DOT TEXTURE TO BE REMOVED **(APPROX.: 12,256 SF)**
- ACM FLOOR TILE AND BLACK MASTIC TO BE REMOVED **(APPROX.: 6,204 SF)**
- ACM CHALK BOARD SEALANT AND BLACK MASTIC TO BE REMOVED **(2,805 SF)**
- ACM PLASTER CEILING TO BE REMOVED **(APPROX.: 192 SF)**
- ACM CABINET WORKS CAULKING TO BE REMOVED **(1,189 SF)**
- ACM INTERIOR AND EXTERIOR DOOR CAULKING TO BE REMOVED **(APPROX.: 120 LF)**
- X ACM SINK PUTTY TO BE REMOVED **(APPROX.: 48 SF)**
- ACM EXTERIOR BUILDING PENETRATION SEALANT TO BE REMOVED **(APPROX.: 220 LF)**

LEGEND 2:

- CONTAINMENT BARRIER
- AIR FILTER DEVICE (AFD)
- SU SCRUBBER AFD UNIT
- EU EMERGENCY AFD UNIT
- ZZ AFD EXHAUST ROUTE
- ER EQUIPMENT ROOM
- SR SHOWER ROOM
- CR CLEAN ROOM
- BO BAG-OUT ROOM

LEVEL 1 - AREA C

FIGURE 10

Asbestos-Containing Building Materials Abatement

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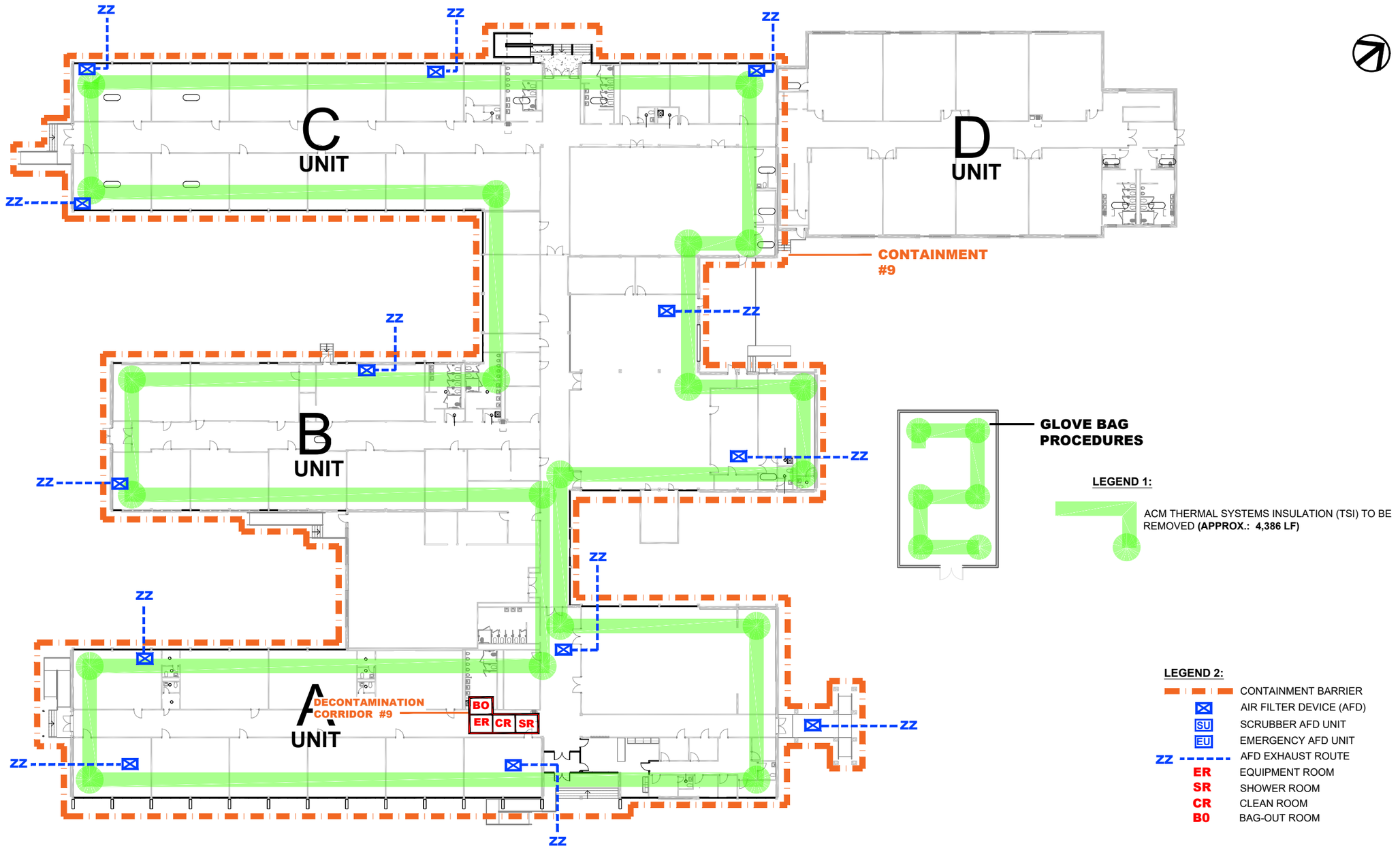

FIGURE 11

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